

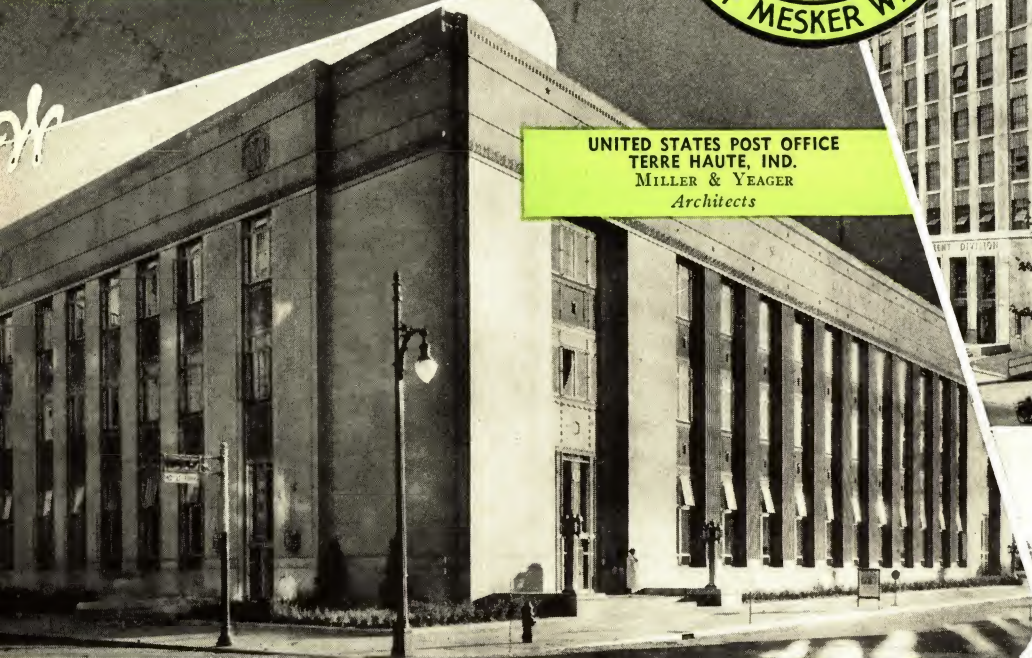


Mesker METAL WINDOWS
SINCE 1879

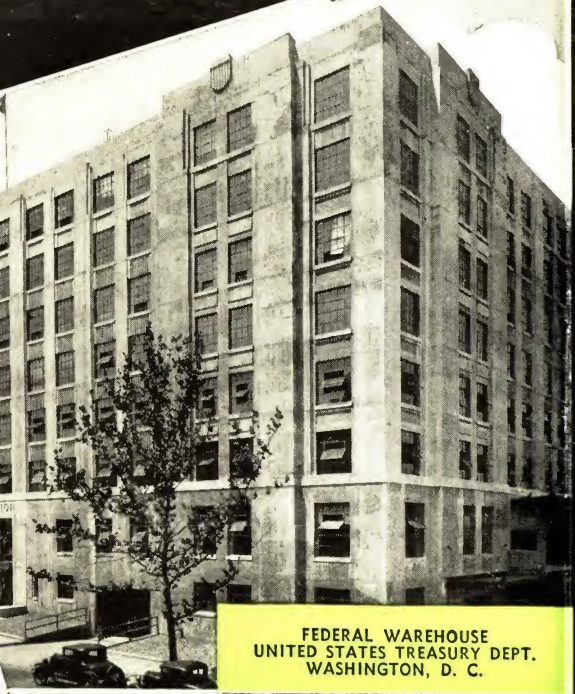


ILLINOIS TERMINAL BUILDING
SAINT LOUIS
MAURAN, RUSSELL & CROWELL
Architects

UNITED LIGHT & POWER CO.
IOWANA, IOWA

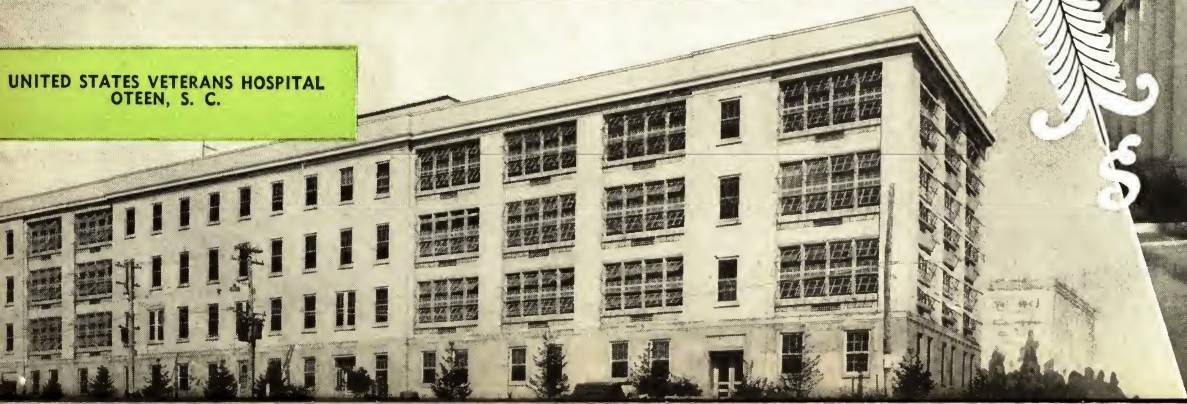


UNITED STATES POST OFFICE
TERRE HAUTE, IND.
MILLER & YEAGER
Architects



FEDERAL WAREHOUSE
UNITED STATES TREASURY DEPT.
WASHINGTON, D. C.

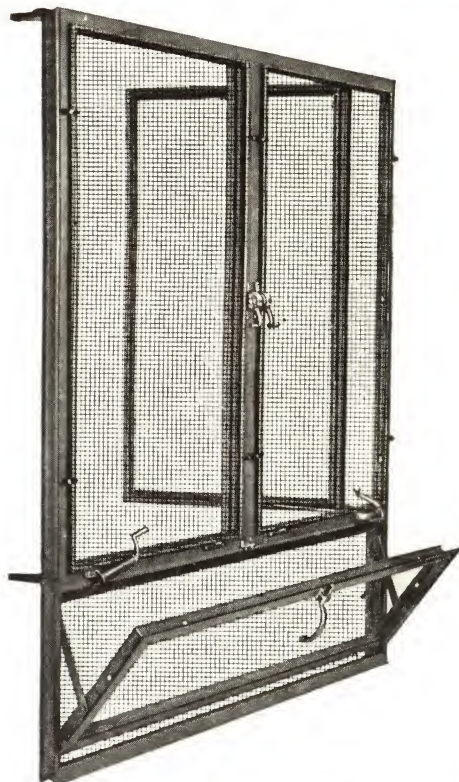
UNITED STATES VETERANS HOSPITAL
OTTEEN, S. C.



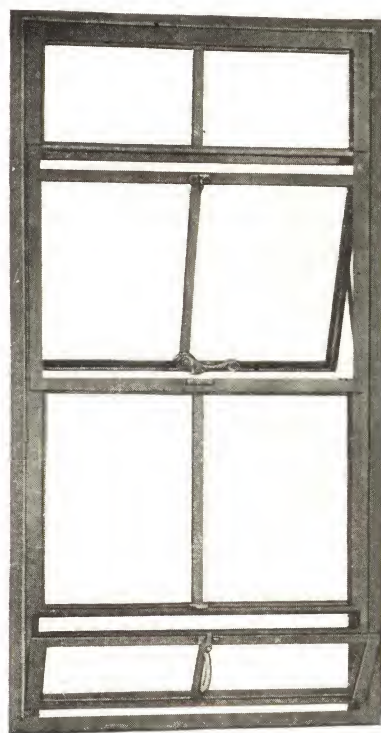
UNITED STATES POST OFFICE
COLUMBUS, GA.
E. OREN SMITH—EDWARDS & SAYWARD
Architects

Mesker METROPOLITAN CASEMENTS

FOR SCHOOLS, LIBRARIES, MONUMENTAL BUILDINGS, AND HOSPITALS



Metropolitan—Series M



Metropolitan—Series P

FEATURES

All vent sections are $1\frac{5}{8}$ in. deep—frames are $1\frac{1}{2}$ in. deep, providing greater rigidity and durability. All joints are solid welded for greater strength. Hardware is of extra heavy solid bronze. With Genuine Wrought Iron Sills these casements will last the life of any building. These windows are also available in Genuine Wrought Iron. Project-in sill vents as illustrated provide excellent no-draft ventilation during cold and rainy weather. At slight additional cost sight lines can be maintained throughout.

SPECIFICATIONS

General—Furnish where shown on plans and according to specifications Mesker Metropolitan Casements or equal approved by the Architect.

Materials—Sections shall be hot rolled new billet steel (or Genuine Wrought Iron) not less than $1\frac{5}{8}$ in. in depth or $\frac{1}{8}$ in. thick . . . and shall be process straightened with heavy fillets in re-entrant angles.

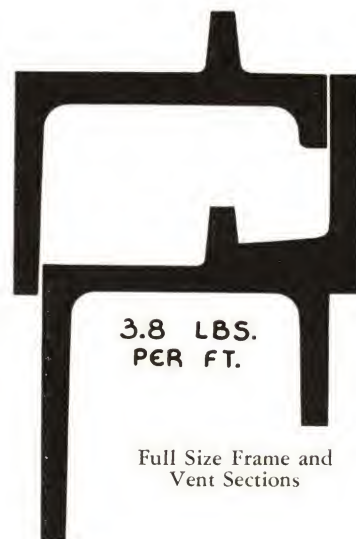
Construction—All joints shall be coped or mitred and solidly welded . . . all exposed welds shall be dressed down smooth . . . hinges shall be extension cleaning type of $\frac{3}{16}$ in. steel plate with bronze pins and washers . . . adjustable friction device shall be supplied on hinges for non-screen casements . . . windows shall be designed for outside glazing (if inside glazing or glazing beads are required specify here) . . . projected ventilators shall be supported by two heavy extension arms and attached to bronze sliding shoes . . . barrel type friction device shall be supplied on all bronze shoes.

Hardware—Hardware shall be solid bronze statuary finish of plain heavy pattern . . . it shall be shipped separately in safely packed cartons . . . furnish locking handle and gear operator for side hinged screen type vents . . . furnish cam type locking handle for side hinged non-screen vents . . . furnish cam handle for project in vents and non-screen project out vents . . . furnish underscreen transom adjuster for screen type project out vents . . . all hardware shall be designed to operate without moving the screens.

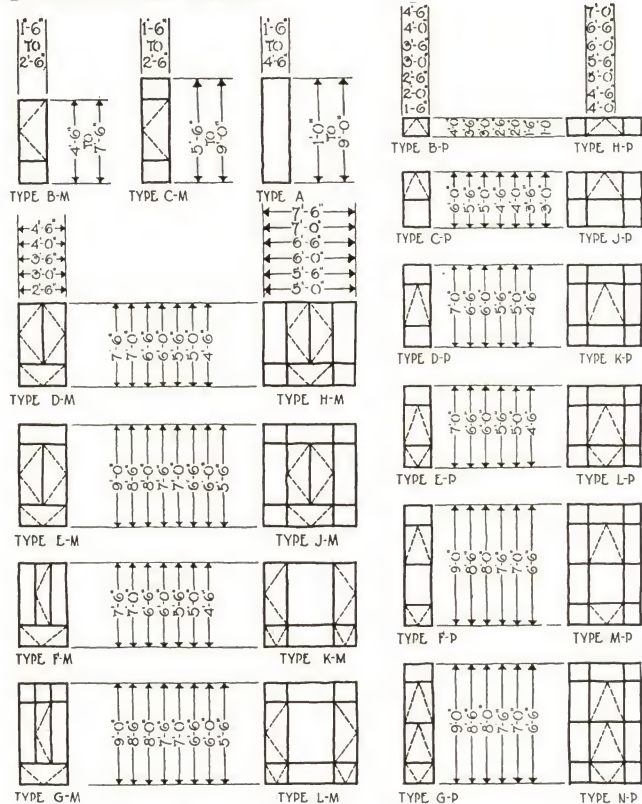
Painting—Windows shall receive one priming coat of metallic paint baked on in the factory.

Screens—Furnish where shown and called for Mesker Metal Screens and prepare windows for same . . . frames shall be solid section $\frac{3}{8} \times \frac{5}{8}$ in. with removable aluminum spline . . . cloth shall be antique finish copper 16 mesh size . . . corner joints shall be mitred and welded . . . one coat of enamel baked on shall be applied in the factory . . . furnish necessary screen clips and fittings.

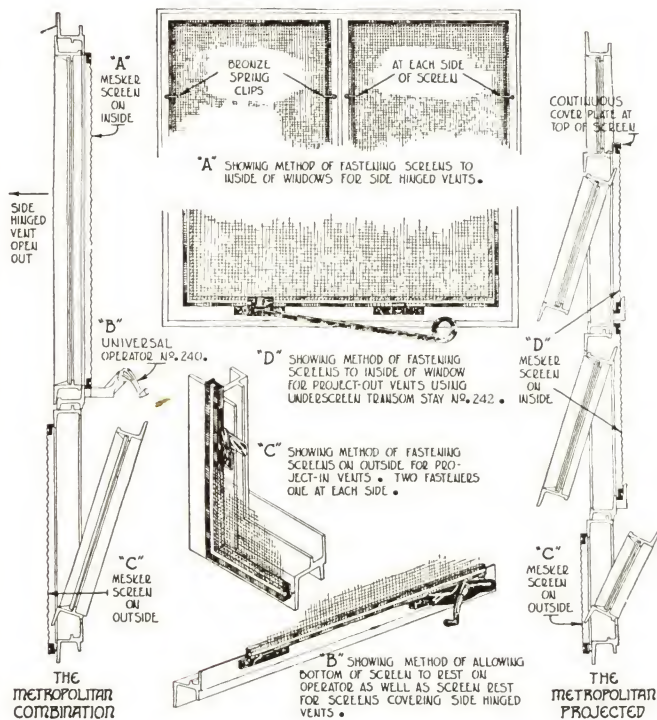
Erection—Casements shall be set plumb and square and carefully caulked and grouted in place . . . vents shall be adjusted before glazing . . . manufacturer shall furnish sufficient caulking compound.



STANDARD SIZES

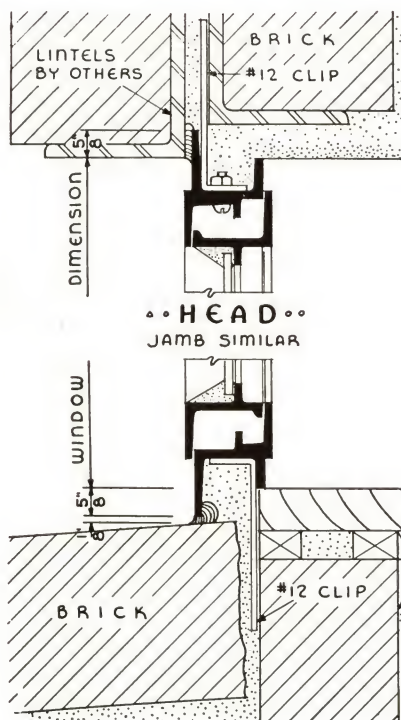


THE APPLICATION of MESKER SCREENS and SCREEN TYPE HARDWARE to METROPOLITANS

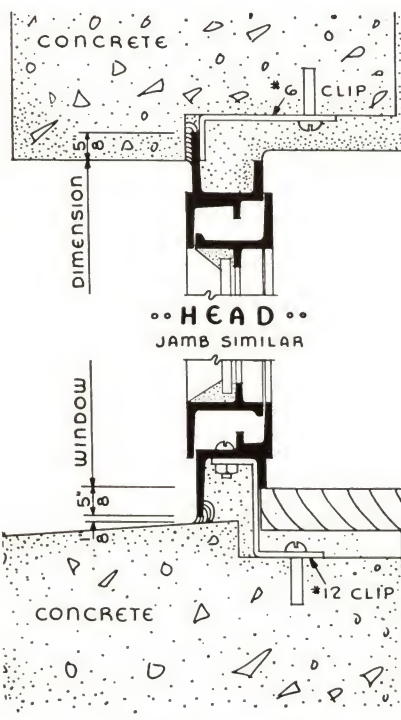


INSTALLATION DETAILS

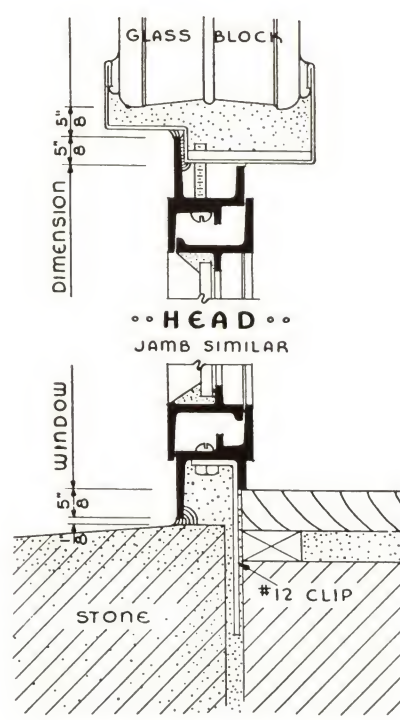
SCALE: 3"=1'-0"



• BRICK •

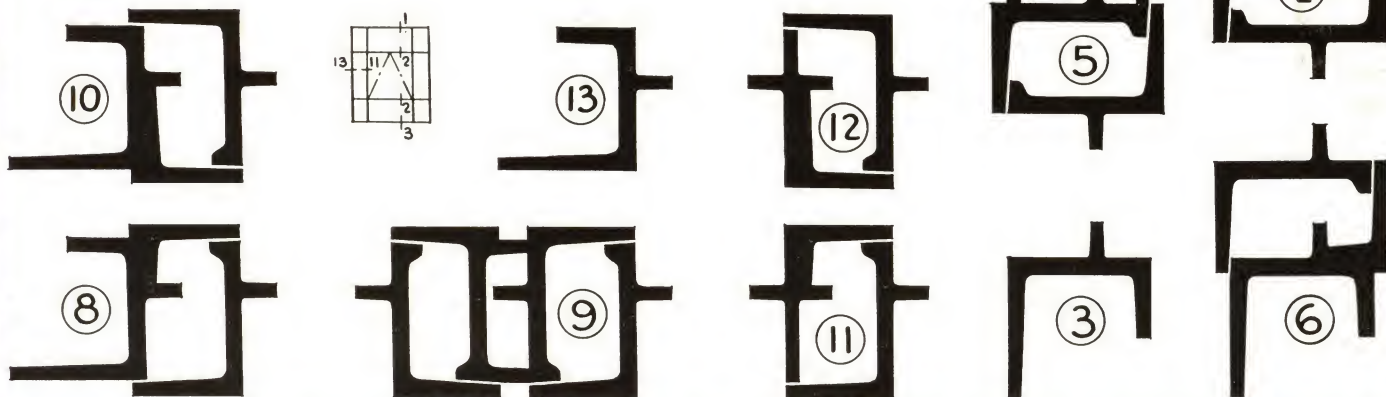
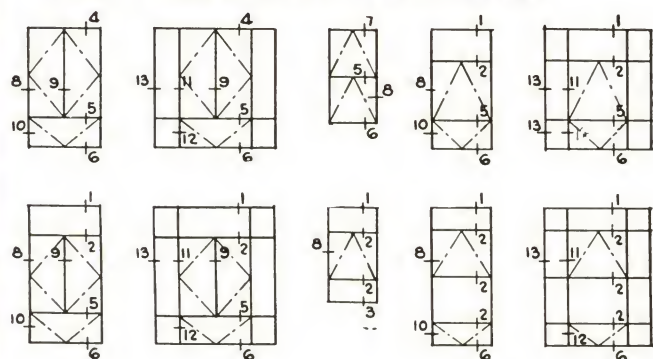


• CONCRETE •



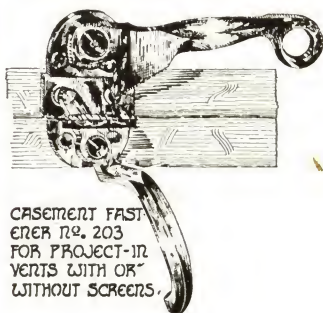
• GLASS BLOCK •

HALF FULL SIZE SECTIONS



SOLID BRONZE HARDWARE

CASEMENT FASTENER No. 230 FOR PROJECT-OUT NON SCREEN VENTS.

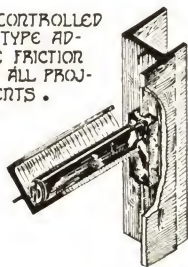


CASEMENT FASTENER No. 203 FOR PROJECT-IN VENTS WITH OR WITHOUT SCREENS.

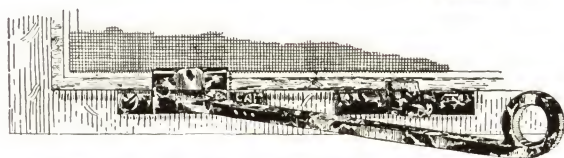
POLE RING No. 236 FOR PROJECT-OUT VENTS WITHOUT SCREENS.



SPRING CONTROLLED BARREL TYPE ADJUSTABLE FRICTION SHOE FOR ALL PROJECTED VENTS.



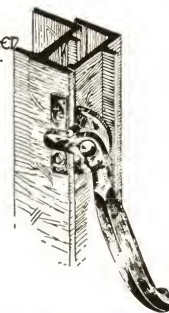
SPRING LOCK No. 235 FOR PROJECT-IN VENTS WITH OR WITHOUT SCREENS.



TRANSOM STAY No. 242 FOR PROJECT-OUT VENTS WITH SCREENS.



CASEMENT FASTENER No. 201 FOR SIDE HINGED OPEN OUT VENTS WITH-OUT SCREENS.



HARDWARE FINISHES

STANDARD FINISH IS MESKER OLD CONAGE. OTHER FINISHES AVAILABLE AT NO EXTRA COST INCLUDE BRIGHT POLISHED, VERDE ANTIQUE, SATIN, AND ORDINARY TUMBLED FINISH. (NOTE: SINCE ALL BRONZE HARDWARE IS MANUFACTURED COMPLETE IN MESKER'S FOUNDRY BY SPECIAL DESIGNS, FITTINGS AND FINISHES ARE AVAILABLE TO THE ARCHITECT AT A NOMINAL COST.)

CASEMENT FASTENERS No. 204 FOR SIDE HINGED OPEN OUT VENTS WITH SCREENS.



CASEMENT AND AUXILIARY FASTENER No. 202 FOR SIDE HINGED VENTS OVER 5'-0" HIGH WITHOUT SCREENS.

UNIVERSAL OPERATOR No. 240 FOR OPEN OUT SIDE HINGED VENTS WITH SCREENS.

Mesker MASTER CASEMENTS

FOR RESIDENCES, OFFICES, AND APARTMENTS WHERE QUALITY IS ESSENTIAL

FEATURES

Both frame and vent sections are $1\frac{5}{8}$ in. deep for maximum durability. All joints are solidly welded. Deeper sections and full welding makes the Master Casement one of the finest casements available. For maximum rust resistance specify Genuine Wrought Iron Sills, or Genuine Wrought Iron throughout.

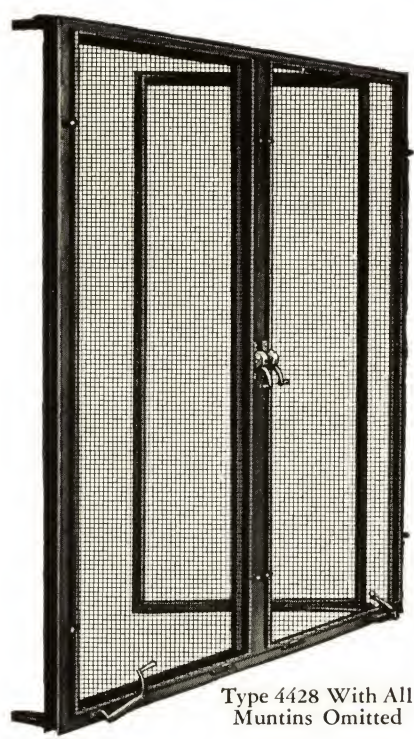
SPECIFICATIONS

General—Furnish where shown on plans and according to specifications Mesker Master Casements or equal approved by the Architect.

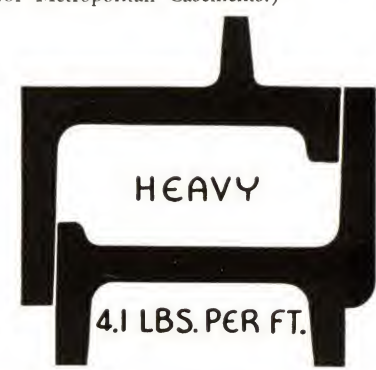
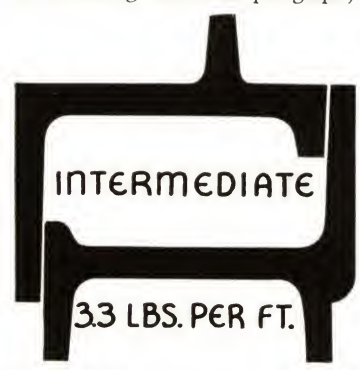
Materials—(Specifications under this paragraph on page 3 for Metropolitan Casements also apply here without exception.)

Construction—(Specifications under this paragraph on page 3 for Metropolitan Casements also applies here without exception . . . add the following under this paragraph): All muntins shall be in perfect alignment . . . glass size shall be approximately 8 x 11 in. . . casements set into masonry shall be provided with continuous fins at head and jambs . . . casements set into wood bucks or subframes shall be supplied with wood screws or lag screws for setting into stone.

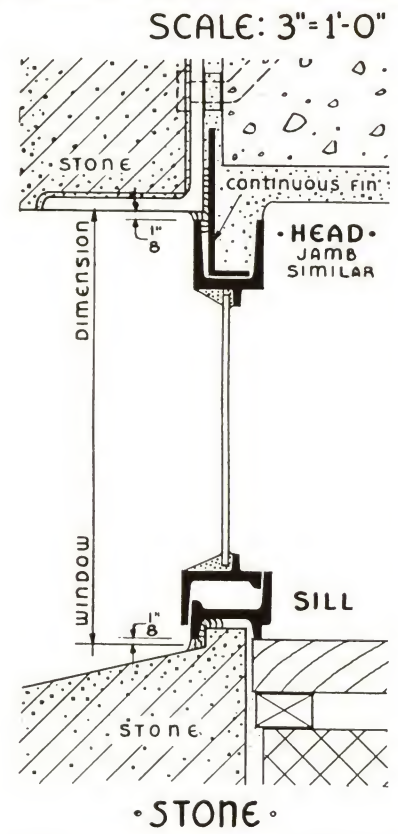
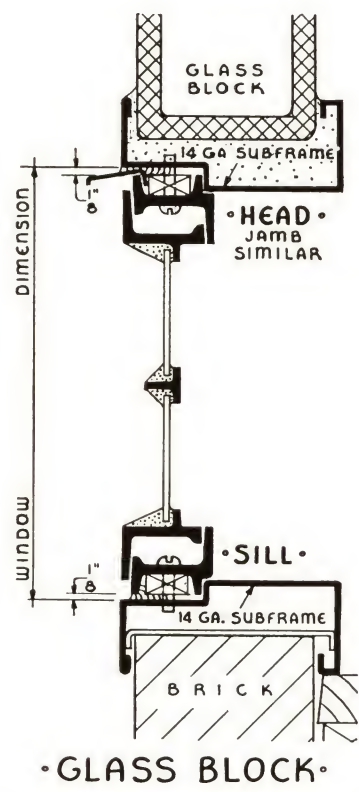
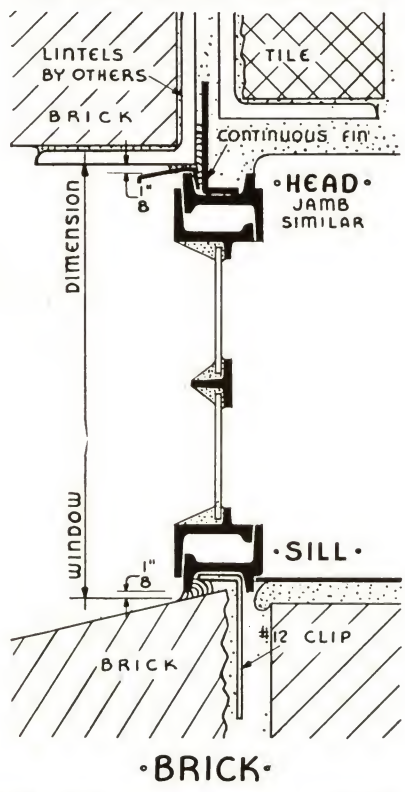
Hardware, Painting, Screens and Erection—(Specify according to information given on page 3 for Metropolitan Casements.)



Type 4428 With All Muntins Omitted



INSTALLATION DETAILS



SCALE: 3"=1'-0"

Mesker GUILDHALL CASEMENTS

FOR RESIDENCES, APARTMENTS, AND ALL HOUSING DEVELOPMENTS

FEATURES

All hardware is genuine solid bronze. It is beautiful, lasting, and chip-proof. Gear operators are built for long life with extra large and heavy cut steel worm gears. Worm gear is a full $\frac{5}{8}$ in. in diameter and beveled gear is a full $2\frac{1}{2}$ in. in diameter. All gears are made of case hardened cut steel. Muntins are only $\frac{5}{8}$ in. wide for neat appearance. Screen frames are solid welded steel and have a slender, graceful appearance.

SPECIFICATIONS

General—Furnish where shown on plans and according to specifications Mesker Guildhall Casements.

Materials—Sections shall be hot rolled billet steel at least 1 in. in depth and $\frac{1}{8}$ in. thick of Z bar design.

Construction—Corner joints shall be mitre cut and solidly welded . . . hinges shall be $\frac{3}{16}$ in. plate steel extension cleaning type with bronze pins and washers . . . adjustable friction device shall be supplied on hinges of non-screen casements . . . windows shall be designed for outside glazing with putty and clips . . . ventilators shall have a continuous double contact at least $\frac{1}{4}$ in. wide . . . glass size shall be 8x12 in. for Guildhall windows . . . furnish continuous fins where casements are set into masonry . . . furnish wood screws where units are set in wood frames.

Hardware—All hardware shall be solid bronze, including casings, gear housings, locking handle, and operator cranks . . . for screen type vents furnish locking handle and worm gear operator.

Painting—All casements shall be rust-treated with one coat of metallic primer especially developed for steel casements.

Screens—All windows where shown shall be prepared to receive screens . . . a separate screen shall be furnished for each vent . . . screen frames shall be $\frac{3}{8}$ x $\frac{5}{8}$ in. solid steel section with aluminum spline . . . corner joints shall be welded and mitred . . . cloth shall be statutory bronze finish copper of 16 mesh size . . . frames to receive coat of enamel baked on in the factory.

Storm Sash—Furnish where called for Mesker Insulaire Storm Sash and prepare casements to receive them . . . storm sash frames shall be tubular steel . . . they shall be glazed with $\frac{1}{8}$ in. DSA glass set in cork and held in place with continuous bronze splines . . . units shall have felt contact strip around entire perimeter.

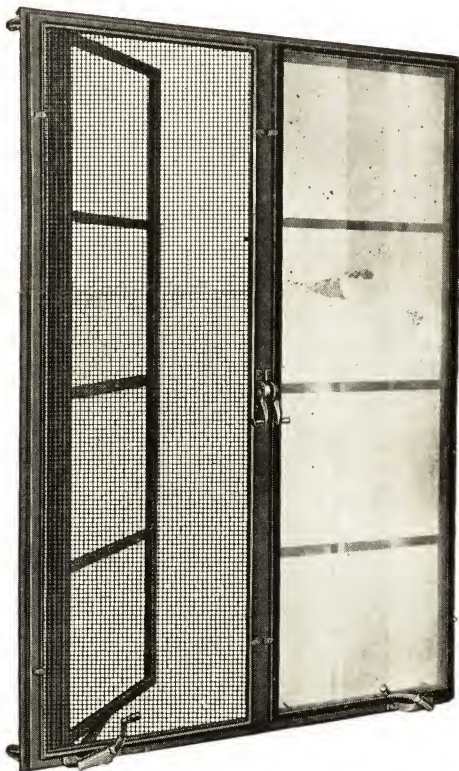


2.0 LBS.
PER FT.

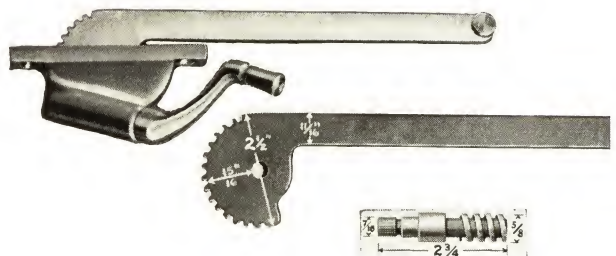
Full Size Vent and
Frame Sections



Standard Guildhall Type 4428 with Screen and
Insulaire Storm Sash

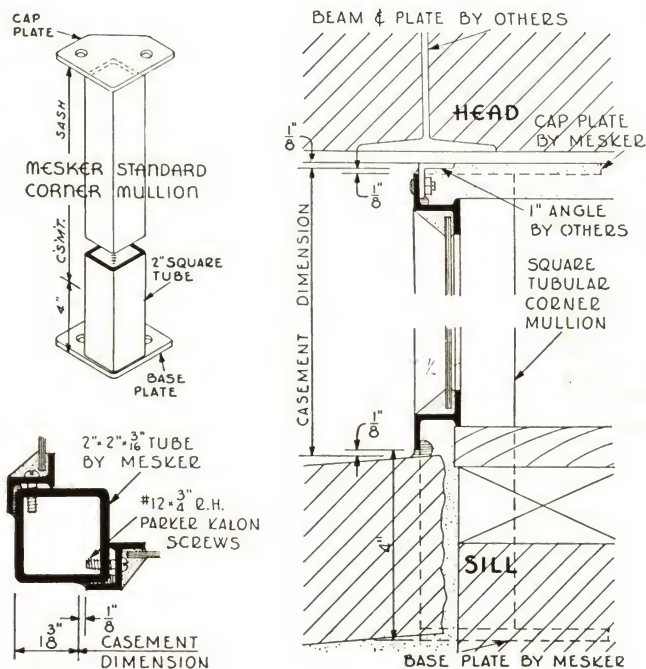


VMO Guildhall Type VMO 4428 with
Screen and Storm Sash

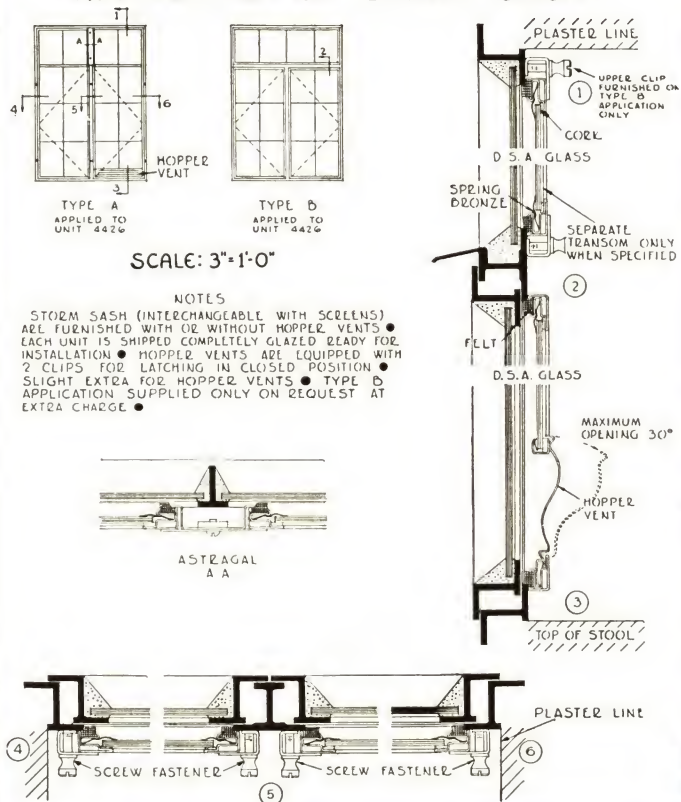


Mesker Solid Bronze Feathertouch Hardware and Heavy Duty Gear Operator

CORNER MULLIONS SCALE: 3"=1'-0"

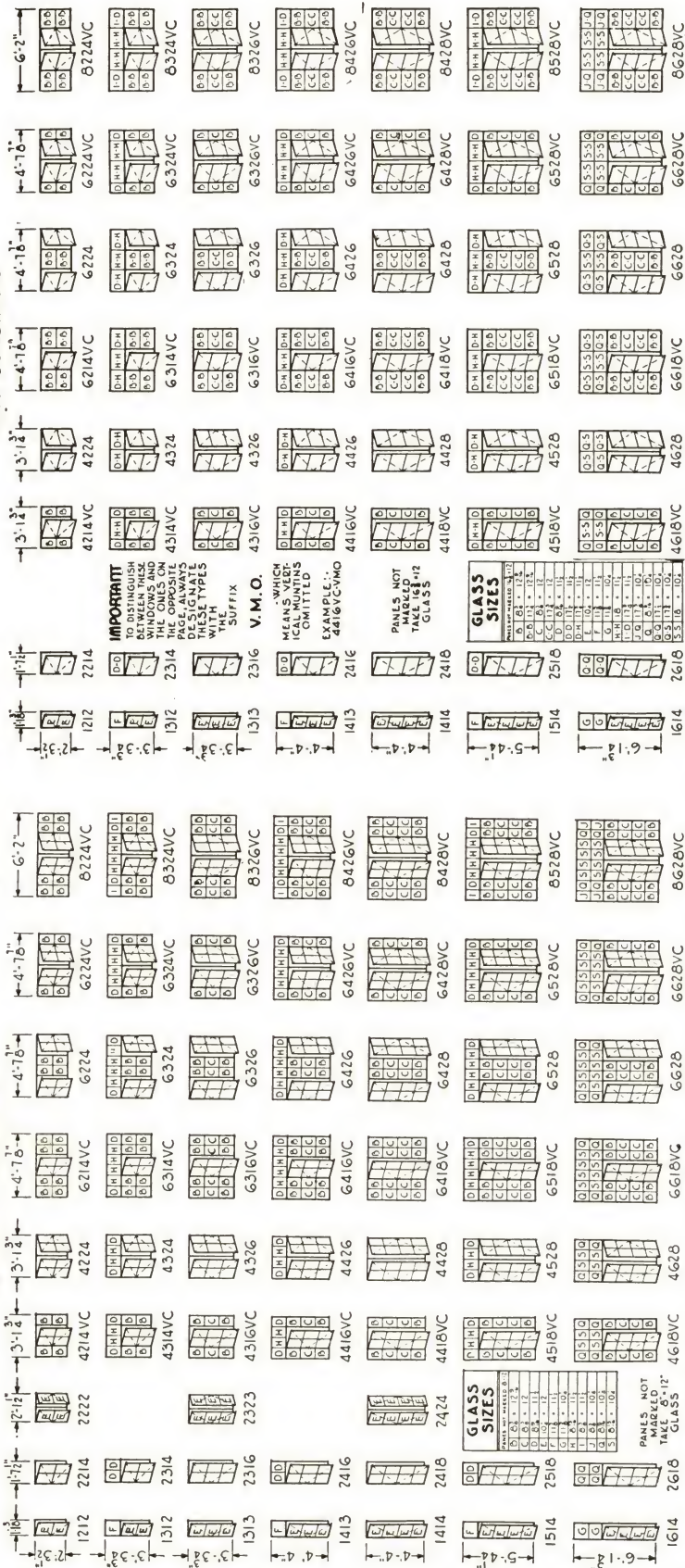


APPLICATION OF STORM SASH



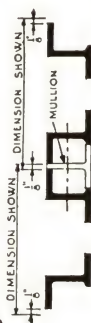
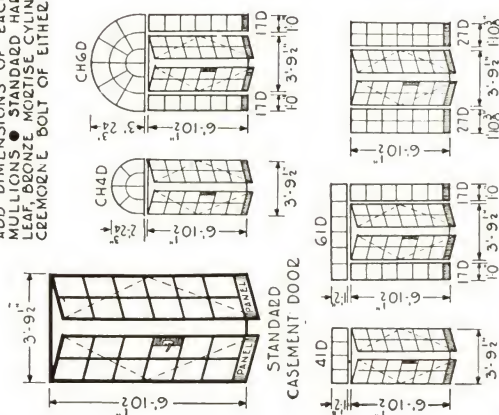
STANDARD SIZES

STANDARD GUILDHALLS



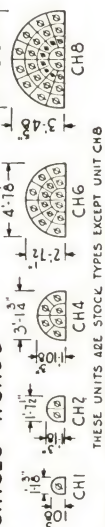
STANDARD CASEMENT DOOR AND SIDE-LIGHTS

FOR COMPLETE INFORMATION ON STANDARD CASEMENT DOOR CONSTRUCTION AND INSTALLATION, REFER TO PAGE 9. DOORS AND SIDE-LIGHTS SHOWN ARE VIEWED FROM THE OUTSIDE. DOORS MAY SWING EITHER IN OR OUT. GLASS SIZE IN BOTH DOORS AND SIDE-LIGHTS IS STANDARDIZED AT 10" x 12". GLASS HEADS IN CIRCLE HEADS AND TRANSOMS CUT TO FIT TEMPLATE. FOR TOTAL OPENING DIMENSIONS, IN COMPOSITE OPENINGS, ADD 1/2" TO EACH SIDE OF THE DOOR. DIMENSIONS OF DOORS AND SIDE-LIGHTS ARE LISTED IN THE FOLLOWING TABLE. HARDWARE AND GLASS ARE AVAILABLE IN BRASS, BRONZE, LEAF, BRONZE, MORTISE CYLINDER, LOCK PLUS TOP, BOTTOM, BOLT, OR BRONZE. REMORNE BOLT OF EITHER FLUSH OR CONCEALED TYPE.

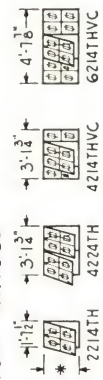


DIMENSION POINTS FOR ALL CASEMENTS, GUIDED BY THE FOLLOWING: (1) ENGLISH, TOP HINGED, DOWNWARD, AND SPECIAL TYPES ARE TAKEN FROM BEYOND THE OUTER EDGE OF THE WINDOW FRAME AS ILLUSTRATED ABOVE. WHEN COMPUTING TOTAL OPENING DIMENSION WHERE HORIZONTAL OR VERTICAL MULLIONS ARE USED, SUBTRACT A FROM TOTAL OPENING DIMENSION FOR EACH MULLION

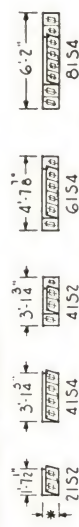
CIRCLE HEADS



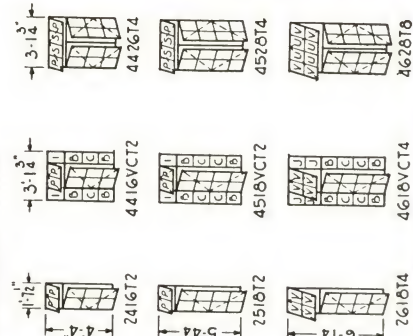
THESE UNITS
TOP HINGED



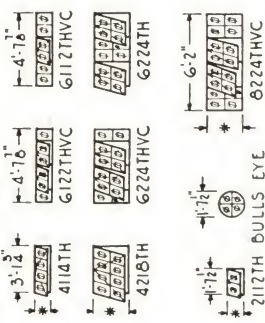
BOTTOM HINGED

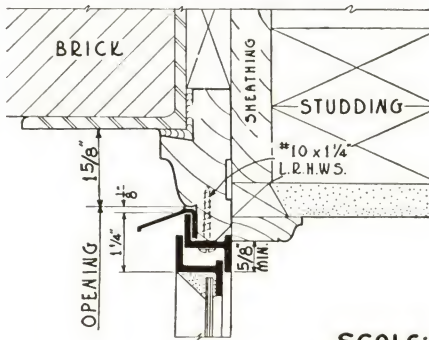


TRANSM TYPE

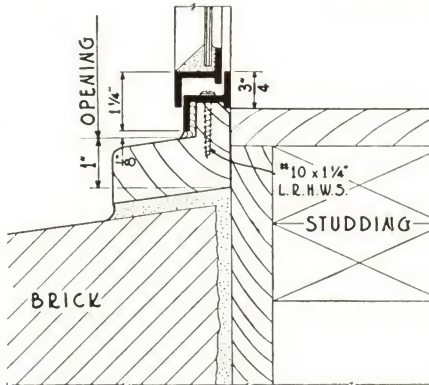
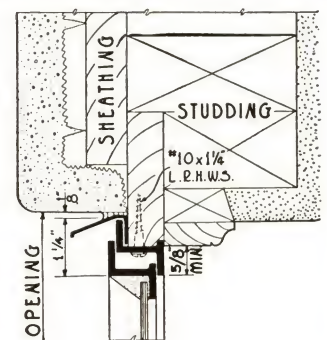
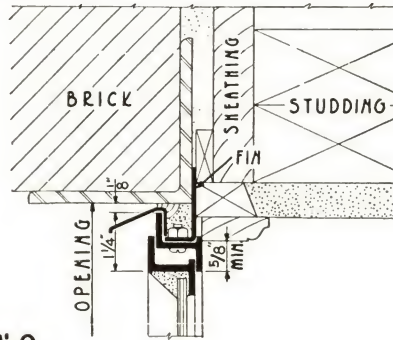


SPECIAL TYPE

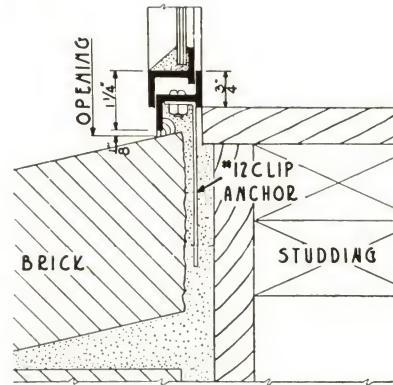




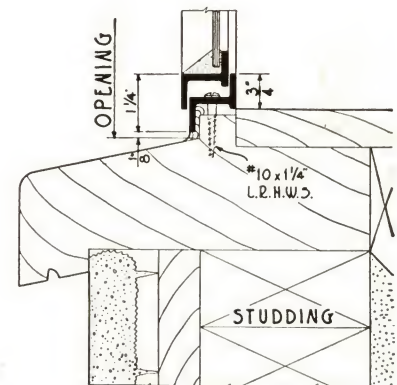
SCALE: 3"=1'-0



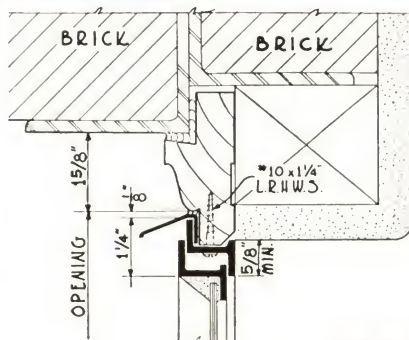
BRICK VENEER
WOOD SURROUNDS



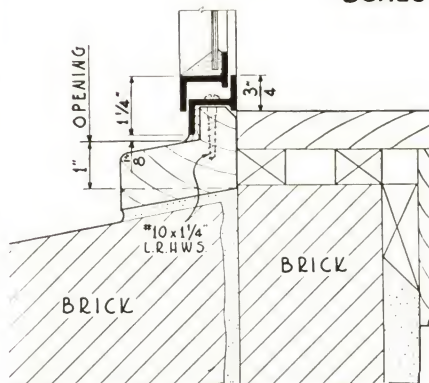
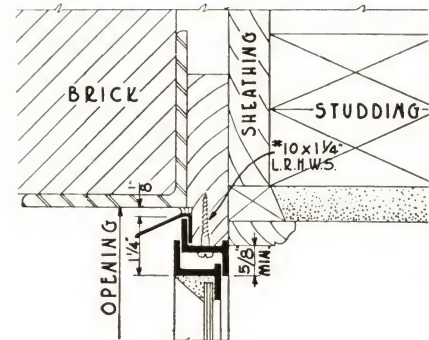
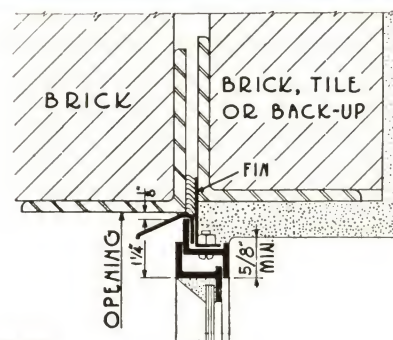
BRICK VENEER
WITH FINS



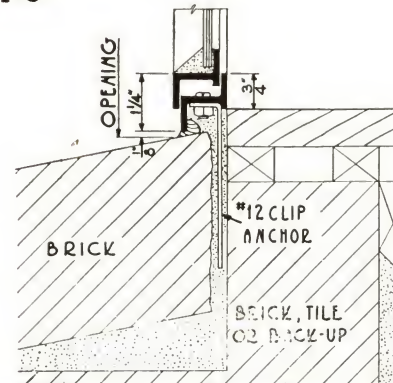
STUCCO WITHOUT FINS



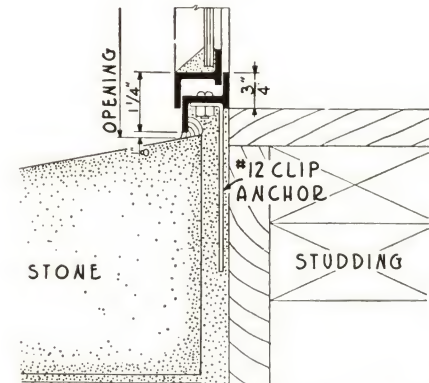
SCALE: 3"=1'-0"



SOLID BRICK
WOOD SURROUNDS

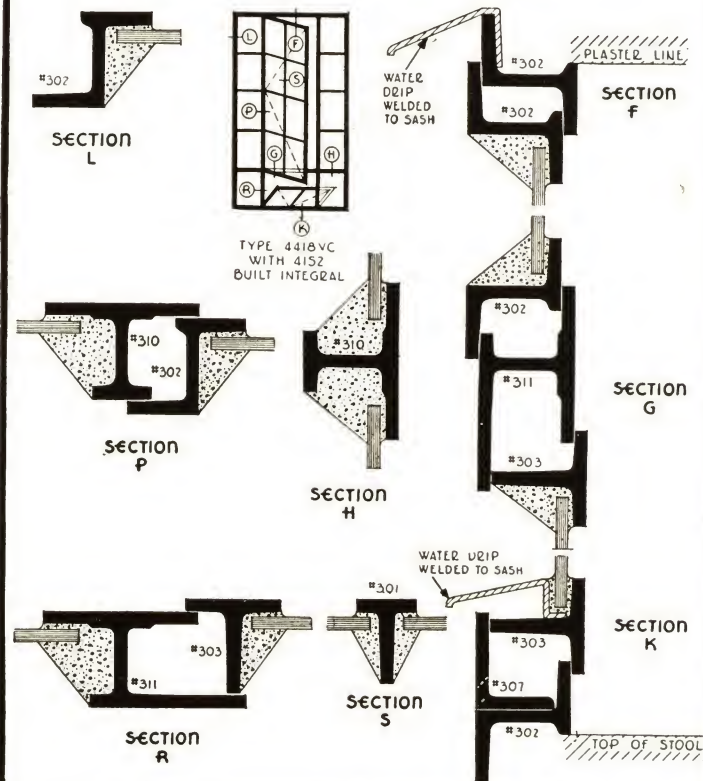


SOLID BRICK
WITH FINS

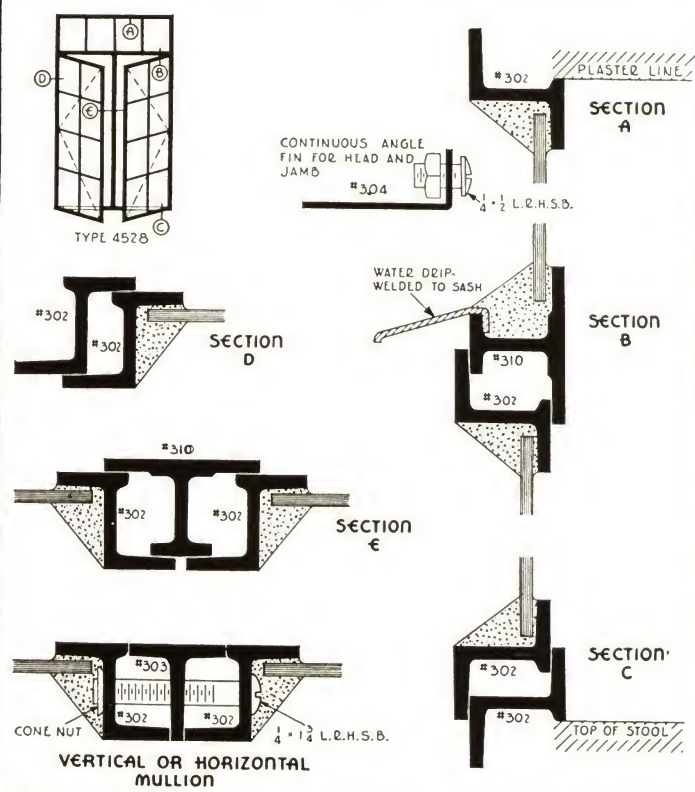


BRICK VENEER WITHOUT FINS

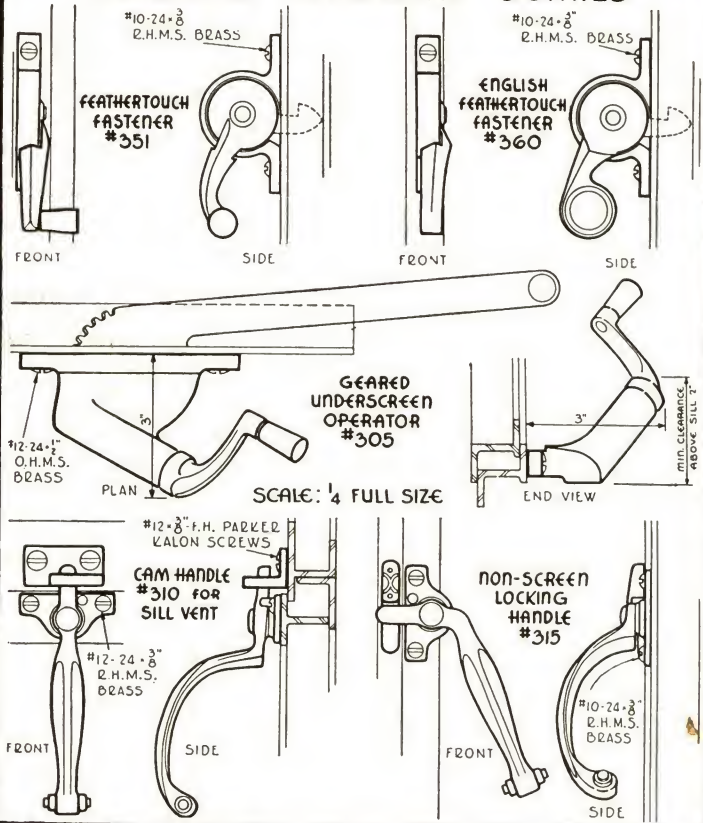
HALF FULL SIZE SECTIONS



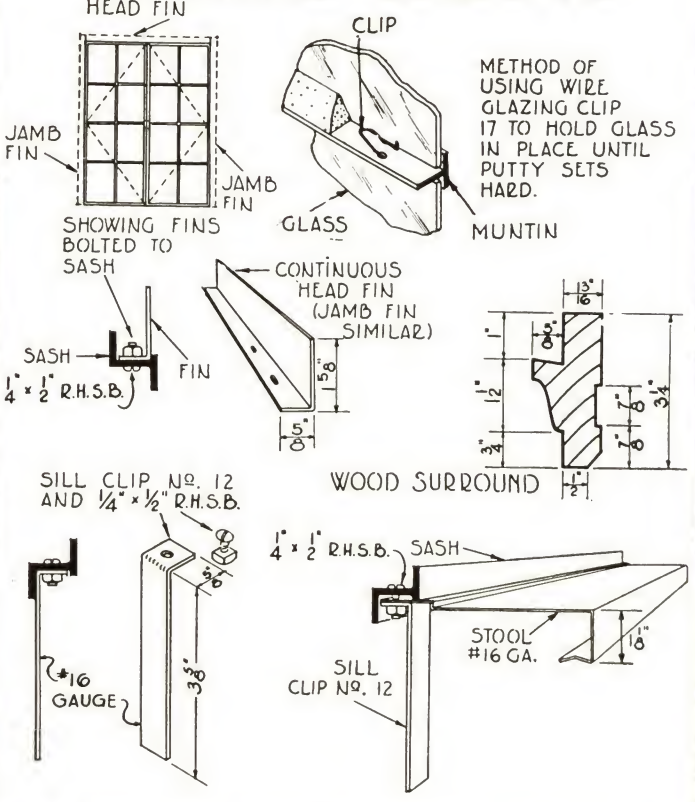
HALF FULL SIZE SECTIONS



GUILDHALL HARDWARE DETAILS



ACCESSORIES SCALE: 3\"=1'-0\"



Mesker BASEMENT • UTILITY • SECURITY

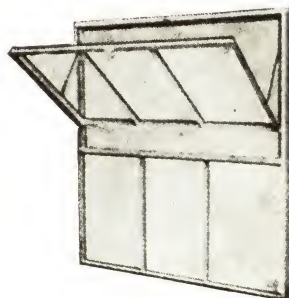
15
17

BASEMENT SASH



Mesker Basement Sash are ideal for all types of residences. They admit more daylight, are termite proof, never swell and stick and are very easily screened from the outside. Vents may be opened a full ninety degrees and may be entirely removed in a few seconds. Dimensions shown are taken at a point $\frac{5}{8}$ in. from the outermost edge, the $\frac{5}{8}$ in. being that part of the flange that is anchored in the wall.

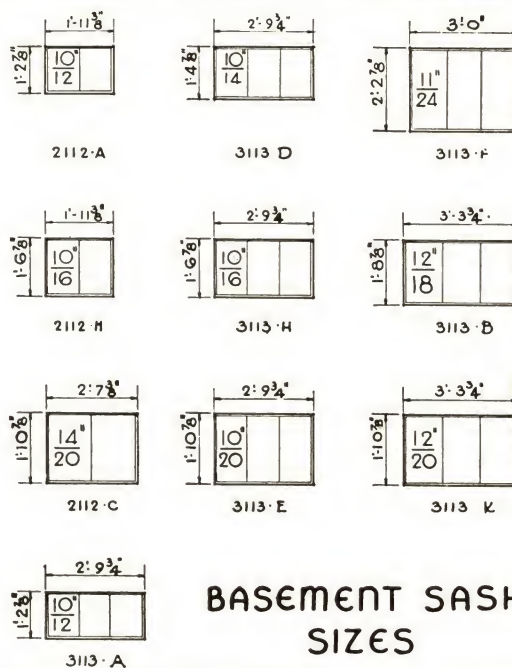
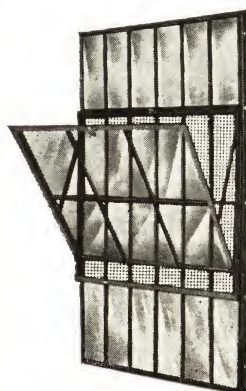
UTILITY SASH



Utility Sash are especially suited for small garages and farm buildings. They are easily screened on the outside and the vent is of the project-in-at-top type, which slides up from the bottom at the same time. Dimensions are taken at a point $\frac{5}{8}$ in. in from the outermost edge, leaving a flange for anchorage.

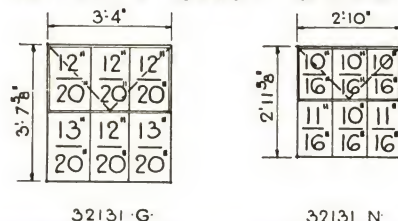
SECURITY SASH

Security Sash are recommended for the side and rear elevations of all types of store buildings and general warehouses. Guard bars are spaced approximately 6 in. apart, preventing entry from the outside even though the glass is broken. When the vent is open a grid of guard bars protects the opening. These sash are easily screened on the outside, and in general are less expensive than ordinary windows protected by separate grilles. Ventilators project-in-at-top and are equipped with a solid bronze spring lock. Dimensions are taken at a point $\frac{5}{8}$ in. in from the outermost edge, allowing a full $\frac{5}{8}$ in. anchorage in the wall.

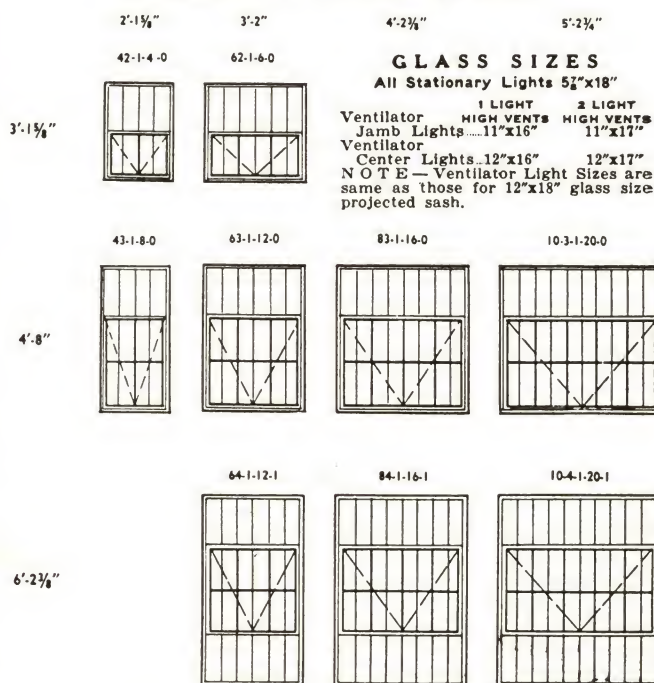


BASEMENT SASH SIZES

UTILITY SASH SIZES



SECURITY SASH SIZES



Mesker PIVOTED & PROJECTED SASH

FOR ALL INDUSTRIAL BUILDINGS, SCHOOLS, GARAGES, STORES, POWER HOUSES, ETC.

FEATURES

Mesker Pivoted and Projected Sash are built for heavy duty use. They are more weathertight than ordinary windows and will stand up under the most severe conditions. All sections are at least $1\frac{1}{2}$ in. deep. Vent sections are $1\frac{5}{8}$ in. deep. Weathering members throughout are made of $\frac{1}{8}$ in. thick hot rolled angle sections. Every joint is solidly arc welded in addition to being riveted or interlocked. Pivoted vents are hung on the famous Mesker Cup Pivot that is made up of a solid bronze disc about which revolves a malleable iron cup. Pivots cannot rust, come loose or fall to pieces. Projected vents are supported on two extra heavy side arms made of $\frac{1}{8}$ in. hot rolled angle sections, giving maximum freedom from lateral sway and rack. When Genuine Wrought Iron Sills are used on these windows it is a definite guarantee against premature sill failure and will make the windows last the life of the building without the need of costly repairs. (See page 18.) These windows are also available in Genuine Wrought Iron throughout.

SPECIFICATIONS

General—Furnish where shown on plans and according to specifications (Mesker Heavy Duty Pivoted Sash) (Mesker Heavy Duty Projected Sash) or equal approved by the Architect.

Materials—Sections shall be hot rolled new billet steel (or Genuine Wrought Iron) not less than $1\frac{1}{2}$ in. deep and $\frac{1}{8}$ in. thick. Vent sections shall be $1\frac{5}{8}$ in. deep.

Construction—Corner joints shall be mortised and tenoned and in addition welded . . . muntin joints shall be interlocked and welded . . . muntins shall run continuous from jamb to jamb and head to sill . . . pivots on pivoted sash shall be malleable iron cups and bronze discs of standard cup pivot design . . . weathering members shall be $\frac{1}{8}$ in. hot rolled angles throughout . . . projected vents shall be supported by angle side arms . . . frictionless bronze shoes attached to butt hinges shall allow projected vents to slide vertically . . . friction nuts shall be furnished at point where side arms are attached to frames . . . sash shall be putty glazed on the inside . . . (specify outside putty glazing if required . . . slight extra cost, see page 18) . . . furnish T mullions for all multiple openings . . . furnish necessary anchors and erection fittings.

Hardware—Hardware for sash shall be malleable iron . . . furnish cam lock and push bar for pivoted vents within reach . . . furnish cam lock for projected vents within reach . . . furnish chain controlled cam locks or spring latches for vents out of reach.

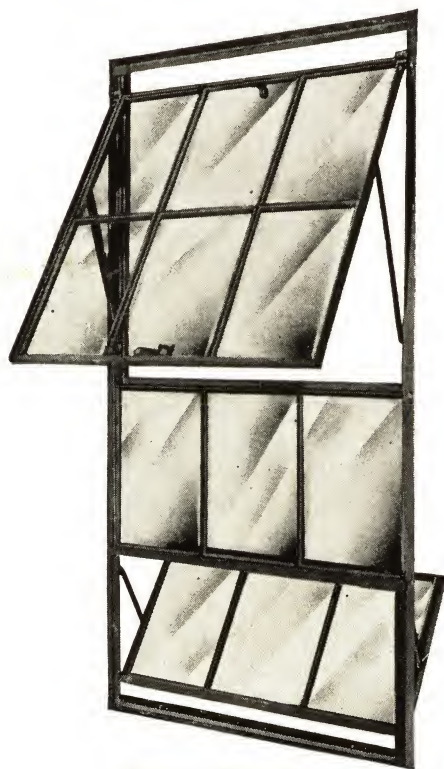
Painting—All sash and fittings shall receive one coat of metallic primer paint in the factory.

Screens—(See page 19 for special sash construction) . . . Screens shall have $\frac{3}{8} \times \frac{5}{8}$ in. solid steel frames with rewirable aluminum spline . . . cloth shall be statuary bronze finish copper of 16 mesh size . . . corner joints shall be mitre cut and welded . . . one coat of enamel baked on shall be applied to frames in the factory . . . furnish necessary screen clips and erection fittings . . . screens shall be boxed for shipment.

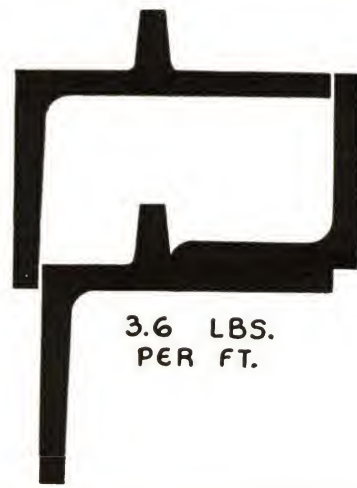
Erection—All sash shall be erected in prepared openings . . . set plumb and square and carefully grout . . . adjust all vents before glazing.



Pivoted Type 34161



Projected Type 3423602



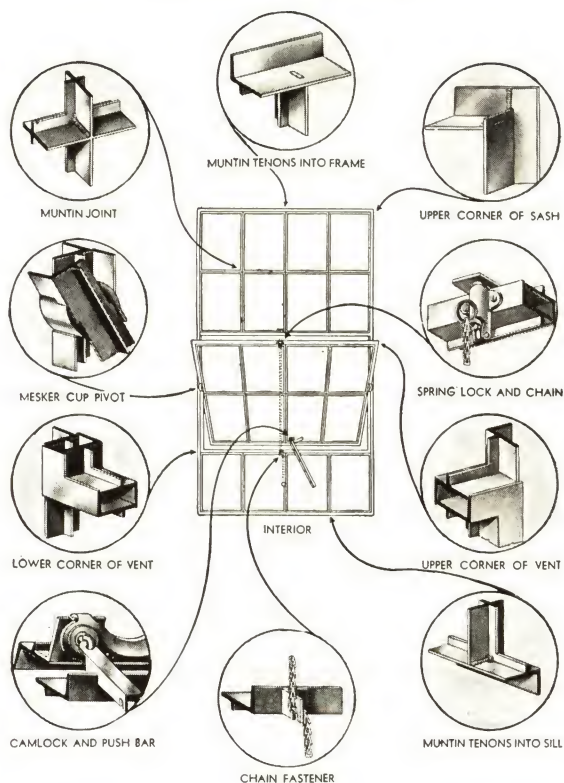
3.6 LBS.
PER FT.

Full Size Vent and Frame Sections

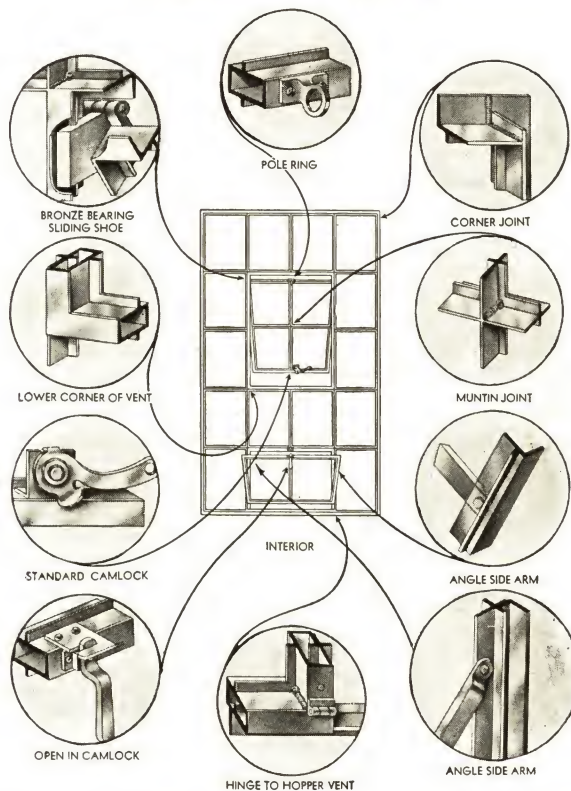
Mesker PIVOTED & PROJECTED SASH

15
17

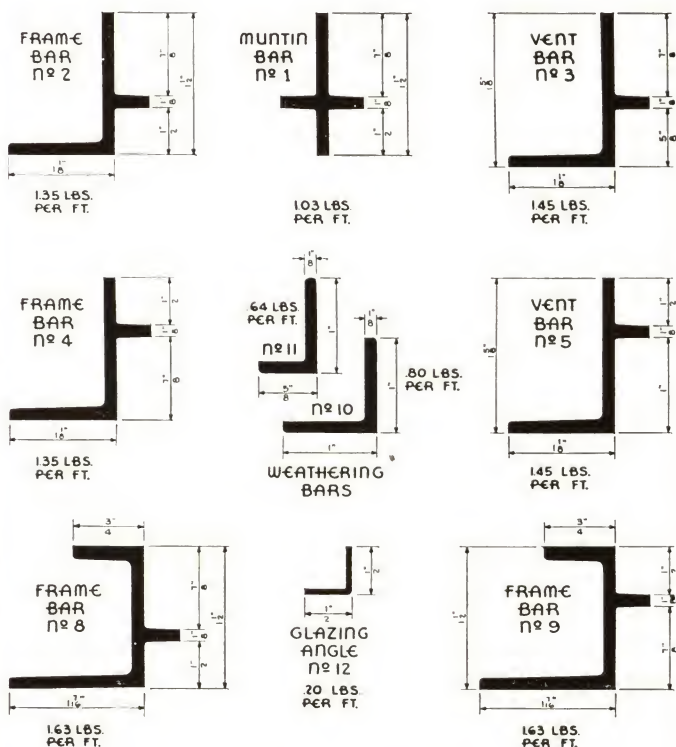
PIVOTED SASH



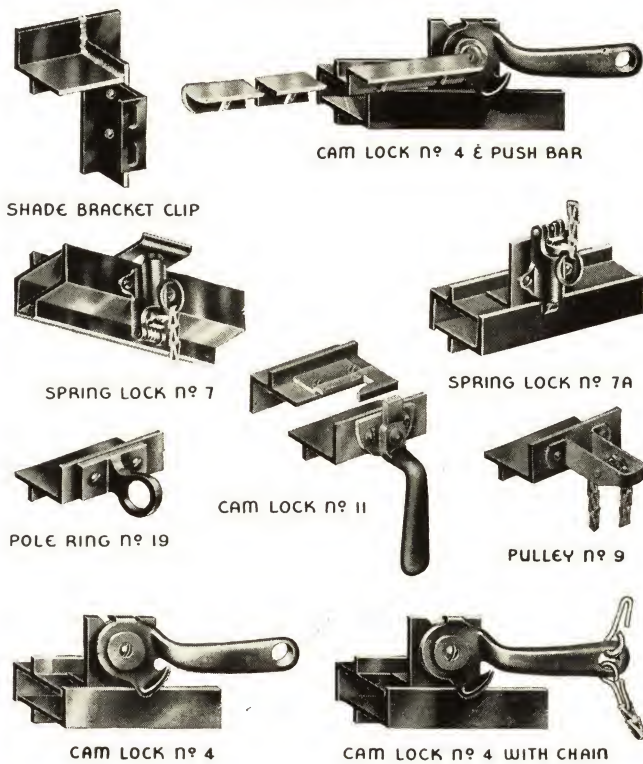
PROJECTED SASH



HALF FULL SIZE SECTIONS



HARDWARE



Mesker PIVOTED & PROJECTED SASH

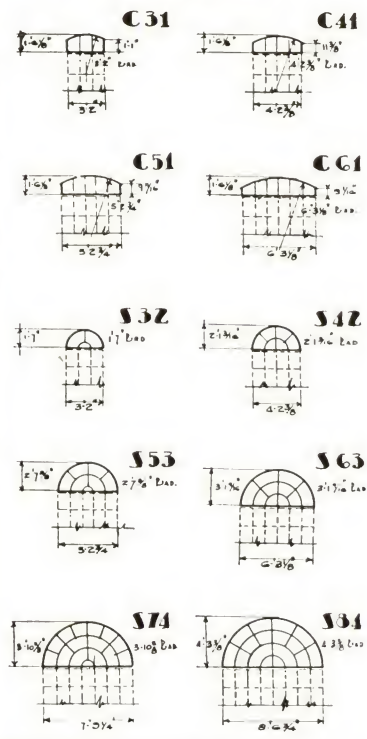
PIVOTED SASH

12'x18"	2'-1 5/8"	3'-2"	4'-2 3/8"	5'-2 3/4"	6'-3 1/8"
14'x20"	2'-5 5/8"	3'-8"	4'-10 3/8"	6'-0 3/4"	7'-3 1/8"
10'-9 1/2"	9'-3 3/8"	7'-8 3/4"	6'-2 3/8"	4'-8"	3'-1 5/8"
11'-1 1/2"	10'-3 3/8"	8'-6 3/4"	6'-10 3/8"	5'-2"	3'-5 5/8"
2 LTS.	3 LTS. WIDE	4 LIGHTS WIDE	5 LTS. WIDE	6 LTS. WIDE	
22	31 3130	41	51 5130		
22140	32	42 42140	52 52160	62 62180	
23141	33 33161	43 43141	53 53161	63 63181	
24141	34 34161	44 44141	54 54161	64 64181	
25141	35 35161	45 45141	55 55161	65 65181	
36 36161	36163 362603	46 46141	56 56161	66 66181	
37 37161	37164 372604	47	57 57161	67 67181	
		48 48141	58 58161	68 68181	
		49 49141	59 59161	69 69181	
		50 50141	60 60181	70 70181	
		51 51141	61 61181	71 71181	
		52 52141	62 62181	72 72181	
		53 53141	63 63181	73 73181	
		54 54141	64 64181	74 74181	
		55 55141	65 65181	75 75181	
		56 56141	66 66181	76 76181	
		57 57141	67 67181	77 77181	
		58 58141	68 68181	78 78181	
		59 59141	69 69181	79 79181	
		60 60141	70 70181	80 80181	

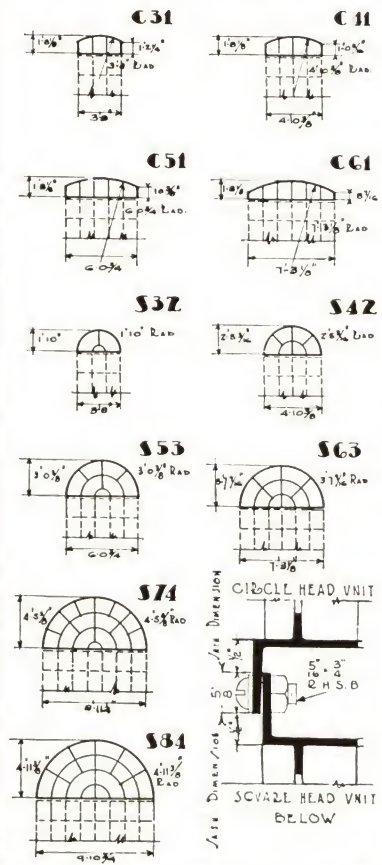
PROJECTED SASH

12'x18"	2'-1 5/8"	3'-2"	4'-2 3/8"	5'-2 3/4"
14'x20"	2'-5 5/8"	3'-8"	4'-10 3/8"	6'-0 3/4"
10'-9 1/2"	9'-3 3/8"	7'-8 3/4"	6'-2 3/8"	4'-8"
11'-1 1/2"	10'-3 3/8"	8'-6 3/4"	6'-10 3/8"	5'-2"
2 LTS.	3 LIGHTS WIDE	4 LIGHTS WIDE	5 LIGHTS WIDE	
22140	32160	42140	52160	
23141	33161	43141	53161	
24141	34161	44141	54161	
25141	35161	45141	55161	
	36161	46141	56161	
	37161	47141	57161	
	38161	48141	58161	
	39161	49141	59161	
	40161	50141	60161	
	41161	51141	61161	
	42161	52141	62161	
	43161	53141	63161	
	44161	54141	64161	
	45161	55141	65161	
	46161	56141	66161	
	47161	57141	67161	
	48161	58141	68161	
	49161	59141	69161	
	50161	60141	70161	

12'X18" GLASS



14'X20" GLASS

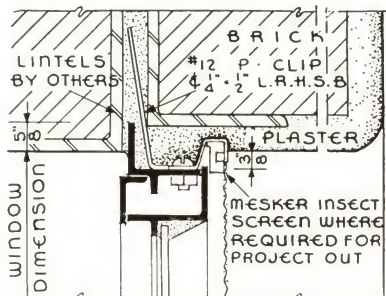


Mesker PIVOTED & PROJECTED SASH

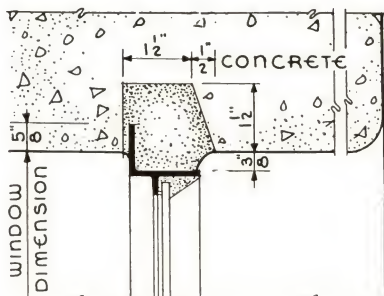
15
17

INSTALLATION DETAILS

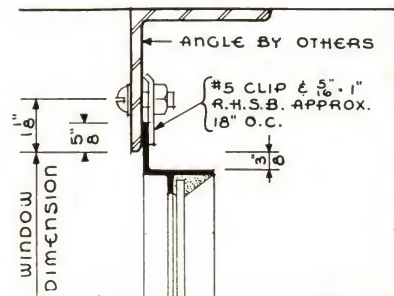
SCALE: 3"=1'-0"



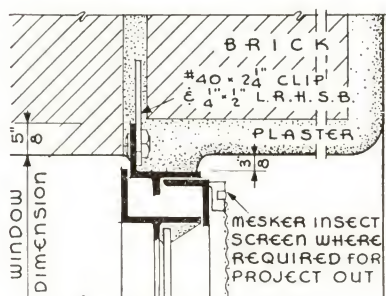
• HEAD •



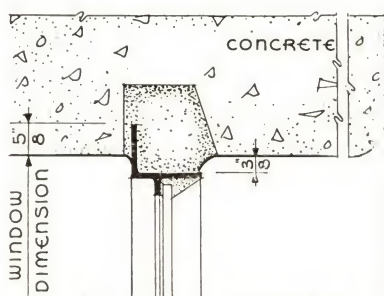
• HEAD •



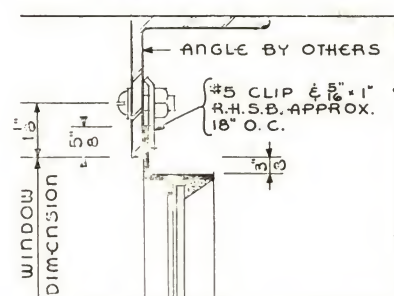
• HEAD •



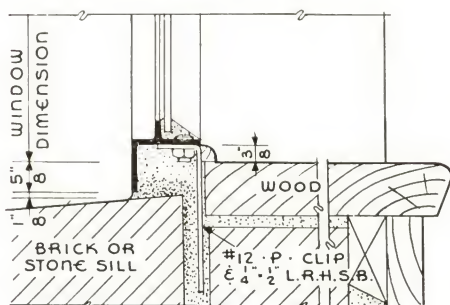
• JAMB •



• JAMB •



• JAMB •



• SILL •
• BRICK •

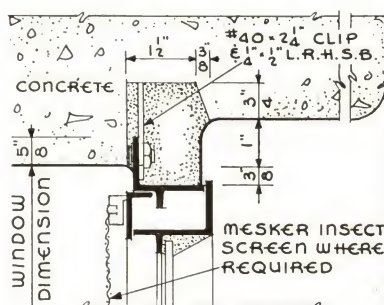
SCALE 3" = 1'-0"

FOR BRICK

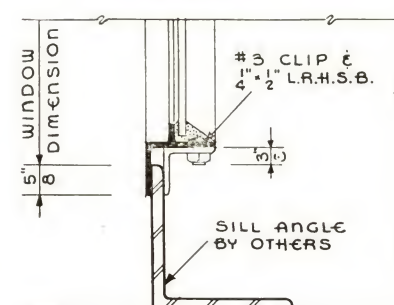
BUILD SASH INTO WALLS AS MASONRY IS RUN UP • REST BOTTOM EDGE OF WINDOW ON MASONRY SILL; BRACE WINDOW PLUMB & TRUE • LAY UP BRICK JAMBS & SLUSH IN GROUT AROUND SASH FLANGE • SEPARATE ANGLE LINTELS ABOUT 3/8" TO ALLOW SASH FLANGE TO RIDE UP INTO SLOT • DO NOT ALLOW WEIGHT FROM ANGLES TO REST ON SASH •

FOR MULTIPLE UNIT RUNS SET SASH AFTER OPENING HAS BEEN COMPLETELY PREPARED • LEAVE A RAKED OUT VERTICAL MORTAR JOINT IN MASONRY JAMBS TO RECEIVE FLANGE OF SASH • OMIT MASONRY SILL UNTIL WINDOWS HAVE BEEN ERECTED • MEANWHILE SUPPORT SASH SILL ON BRICKBATS •

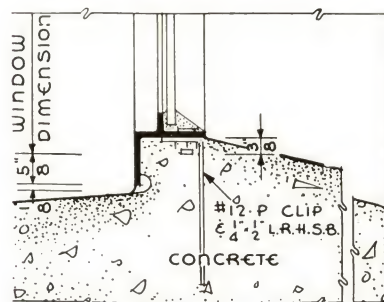
AFTER SASH ARE SET UP, FASTEN HEAD CLAMP & SILL ANCHOR & ADJUST UNITS LENGTHWISE TO REQUIRED WIDTH • THEN BOLT ON MULLIONS, TIGHTEN CLAMPS & ANCHORS •



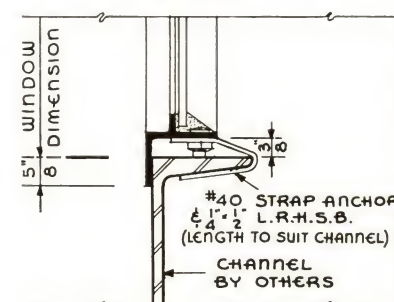
JAMB OR HEAD



• SILL •



• SILL •
• CONCRETE •

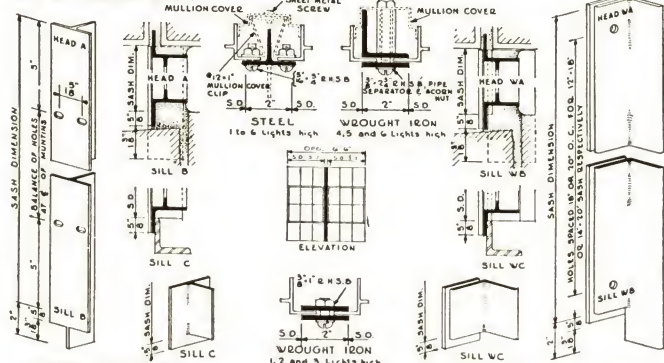


• SILL •
• STEEL •

Mesker PIVOTED & PROJECTED SASH

VERTICAL MULLIONS

1 TO 6 LIGHTS HIGH



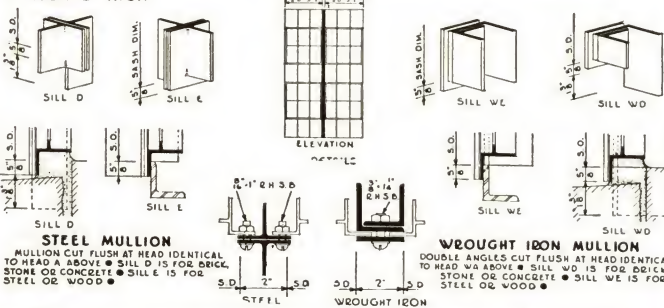
STEEL MULLIONS

T-MULLIONS ABOVE ARE FURNISHED IN STEEL ONLY. STEEL SASH JAMB MEMBERS HAVE VERTICAL SLOTTED HOLES. EACH MULLION INCREASES OPENING WIDTH BY 2". PRESSED STEEL MULLION COVERS ARE FURNISHED ON SPECIFICATION ONLY AND AT SLIGHT ADDITIONAL COST. TURN-T-STEM OUTWARD FOR GREATER STRENGTH. MULLION ANCHORAGE PROVIDED AT SILL ONLY. HEAD CONDITION A FITS ALL TYPES OF WALL CONSTRUCTION. SILL B IS FOR BRICK, STONE OR CONCRETE. SILL C IS FOR STEEL OR WOOD CONSTRUCTION.

WROUGHT IRON MULLIONS

PLATE AND ANGLE MULLIONS ARE FURNISHED IN WROUGHT IRON ONLY. WROUGHT IRON SASH JAMB MEMBERS ARE NOT PUNCHED. EACH MULLION INCREASES OPENING WIDTH BY 2". GALVANIZED STEEL MULLION COVERS ARE FURNISHED ON SPECIFICATION ONLY AND AT SLIGHT ADDITIONAL COST. MULLION ANCHORAGE IS PROVIDED AT SILL ONLY. HEAD WA FITS ALL TYPES OF WALL CONSTRUCTION. SILL WA IS FOR BRICK, STONE OR CONCRETE. SILL WC IS FOR STEEL OR WOOD CONSTRUCTION.

7 LIGHTS HIGH



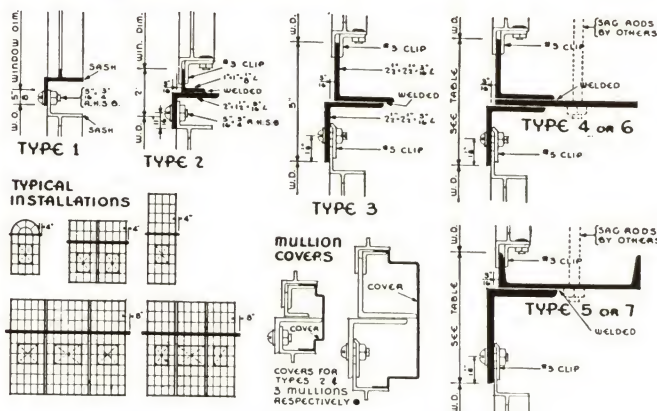
STEEL MULLION

MULLION CUT FLUSH AT HEAD IDENTICAL TO HEAD A ABOVE. SILL D IS FOR BRICK, STONE OR CONCRETE. SILL E IS FOR STEEL OR WOOD.

WROUGHT IRON MULLION

DOUBLE ANGLES CUT FLUSH AT HEAD IDENTICAL TO HEAD WA ABOVE. SILL WA IS FOR BRICK, STONE OR CONCRETE. SILL WC IS FOR STEEL OR WOOD.

HORIZONTAL MULLIONS



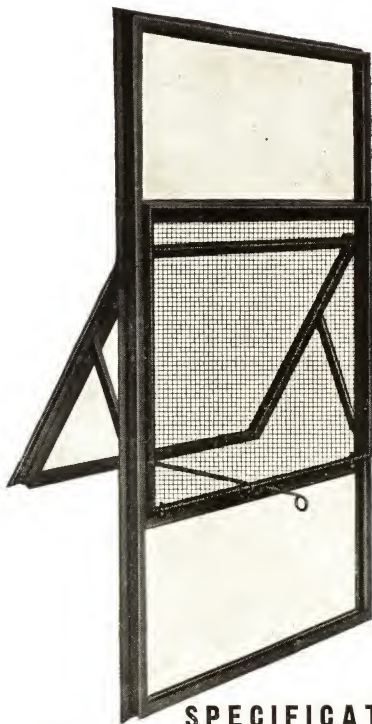
STANDARD WIDTHS									
OPENING dimension		LIGHTS WIDE		OPENING dimension		LIGHTS WIDE		OPENING dimension	
12-18 GLASS		14-20 GLASS		12-18 GLASS		14-20 GLASS		12-18 GLASS	
EACH UNIT		EACH UNIT		EACH UNIT		EACH UNIT		EACH UNIT	
2 1/8"	2	2 1/8"	2	2 1/8"	2	2 1/8"	2	2 1/8"	2
3 1/8"	3	3 1/8"	3	3 1/8"	3	3 1/8"	3	3 1/8"	3
4 1/8"	4	4 1/8"	4	4 1/8"	4	4 1/8"	4	4 1/8"	4
5 1/8"	5	5 1/8"	5	5 1/8"	5	5 1/8"	5	5 1/8"	5
6 1/8"	6	6 1/8"	6	6 1/8"	6	6 1/8"	6	6 1/8"	6
7 1/8"	7	7 1/8"	7	7 1/8"	7	7 1/8"	7	7 1/8"	7
8 1/8"	8	8 1/8"	8	8 1/8"	8	8 1/8"	8	8 1/8"	8
9 1/8"	9	9 1/8"	9	9 1/8"	9	9 1/8"	9	9 1/8"	9
10 1/8"	10	10 1/8"	10	10 1/8"	10	10 1/8"	10	10 1/8"	10
11 1/8"	11	11 1/8"	11	11 1/8"	11	11 1/8"	11	11 1/8"	11
12 1/8"	12	12 1/8"	12	12 1/8"	12	12 1/8"	12	12 1/8"	12
13 1/8"	13	13 1/8"	13	13 1/8"	13	13 1/8"	13	13 1/8"	13
14 1/8"	14	14 1/8"	14	14 1/8"	14	14 1/8"	14	14 1/8"	14
15 1/8"	15	15 1/8"	15	15 1/8"	15	15 1/8"	15	15 1/8"	15
16 1/8"	16	16 1/8"	16	16 1/8"	16	16 1/8"	16	16 1/8"	16
17 1/8"	17	17 1/8"	17	17 1/8"	17	17 1/8"	17	17 1/8"	17
18 1/8"	18	18 1/8"	18	18 1/8"	18	18 1/8"	18	18 1/8"	18
19 1/8"	19	19 1/8"	19	19 1/8"	19	19 1/8"	19	19 1/8"	19
20 1/8"	20	20 1/8"	20	20 1/8"	20	20 1/8"	20	20 1/8"	20
21 1/8"	21	21 1/8"	21	21 1/8"	21	21 1/8"	21	21 1/8"	21

Mesker ARCHITECTURAL PROJECTED

FOR SCHOOLS, OFFICE BUILDINGS, AND MONUMENTAL BUILDINGS

FEATURES

All sections are $1\frac{1}{2}$ in. deep. Vent members are $1\frac{5}{8}$ in. deep. Glazing moulding is used instead of ordinary, unpleasant looking glazing angles. All joints are solidly arc welded. Hardware is solid bronze throughout.



SPECIFICATIONS

General—Furnish where shown on plans and according to specifications Mesker Architectural Projected Windows or equal approved by the Architect.

Materials—Sections shall be of hot rolled new billet steel (or Genuine Wrought Iron) not less than $1\frac{1}{2}$ in. in depth and $\frac{1}{8}$ in. thick . . . glass rebates shall be not more than $\frac{7}{8}$ in. deep front to back to avoid excessive putty.

Construction—All joints shall be riveted and welded . . . vents shall be balanced on heavy side arms and slide on bronze shoes . . . applied weathering shall be $\frac{1}{8}$ in. hot rolled angles throughout . . . glass shall be applied from the outside with putty (if desired specify inside glazing with glazing moulding attached with bronze screws . . . slight extra cost) . . . furnish mullions and covers for multiple openings.

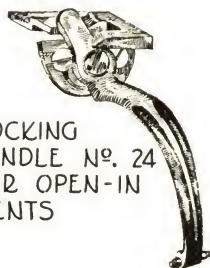
Hardware—Hardware shall be solid bronze statuary finish . . . cam handles for project in or out vents . . . underscreen stay bar for screen type project out vents . . . all hardware shall be shipped separately and securely packed.

Painting—Windows shall receive a prime coat of metallic paint applied in the factory.

Screens—Where shown and required prepare windows to receive screens. (See page 3 under Screen Paragraph for typical specification and insert here.)



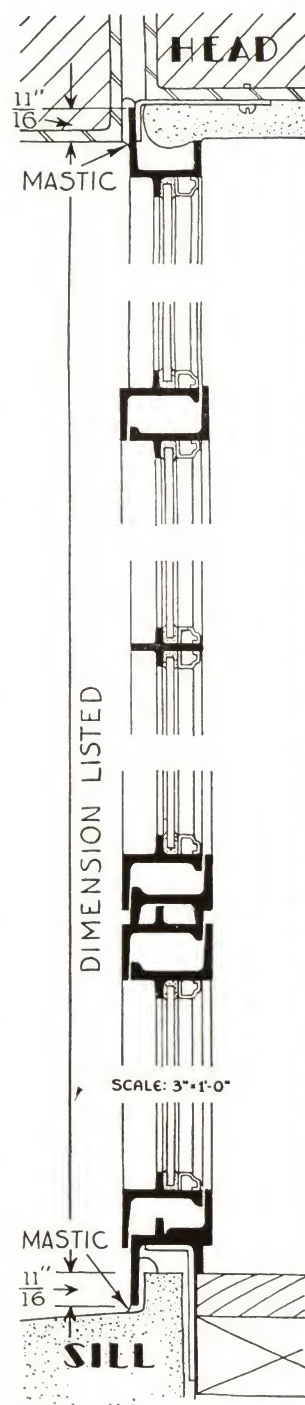
LOCKING
HANDLE NO. 10
FOR OPEN-OUT VENTS



LOCKING
HANDLE NO. 24
FOR OPEN-IN
VENTS

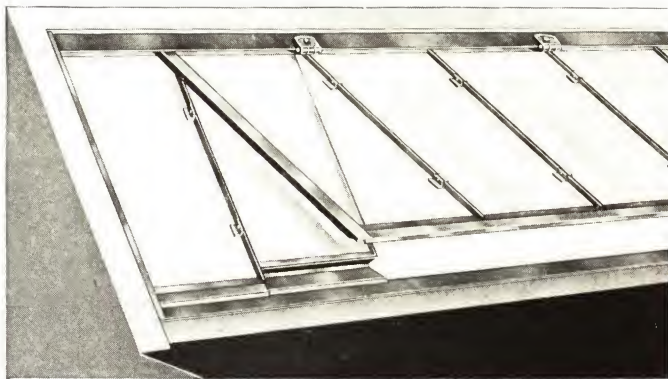
STANDARD SIZES

1'-0" 2'-6"	1'-6" 3'-0"	2'-0" 3'-6"	2'-6" 4'-0"	3'-0" 4'-6"	4'-0" 5'-6"	4'-6" 6'-0"	5'-0" 6'-6"	5'-6" 7'-0"
A	I	B	J	C	K	D	L	E
6'-6" 7'-0"	7'-0" 7'-6"	7'-6" 8'-0"	8'-0" 8'-6"	8'-6" 9'-0"	6'-6" 7'-0"	7'-0" 7'-6"	7'-6" 8'-0"	8'-0" 8'-6"
F	N	G	O	H	P			



Mesker CONTINUOUS TOP HUNG SASH

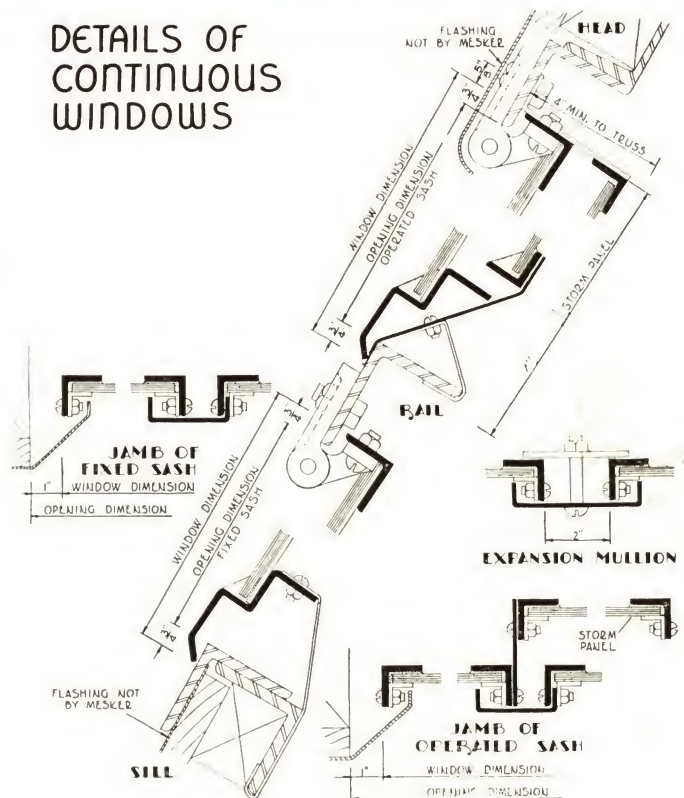
15
17



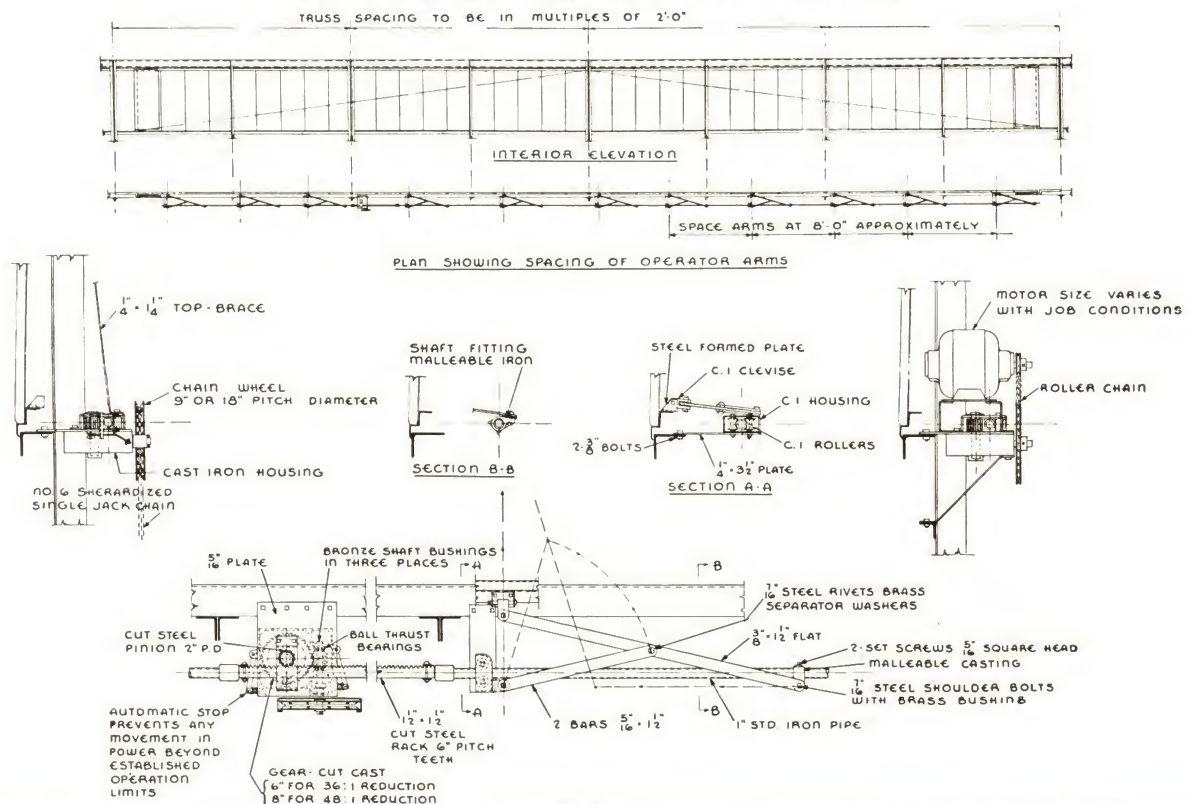
Mesker Continuous Sash are designed for industrial use where lighting and ventilation are prime requisites. These windows form a perfect ventilating system, especially where large quantities of gases are to be carried off, and their lighting features very closely approximate a skylight. No other type of window adapts itself so easily to mass control from one centrally located station.

These windows come in standard heights of 3, 4, 5, and 6 feet and in lengths of multiples of 2 feet. Practically any length may be obtained from 10 feet up to several hundred feet. Storm panels should be used at each end of a ventilated run. Windows are operated by means of tension type operators shown below.

DETAILS OF CONTINUOUS WINDOWS

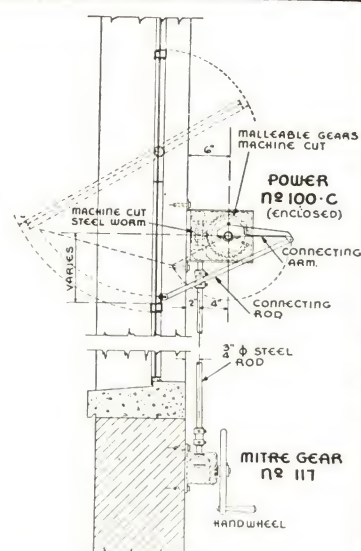
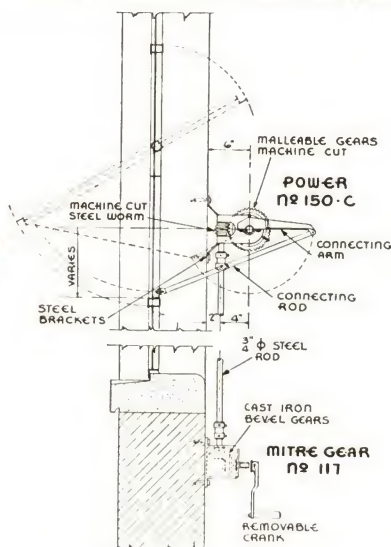
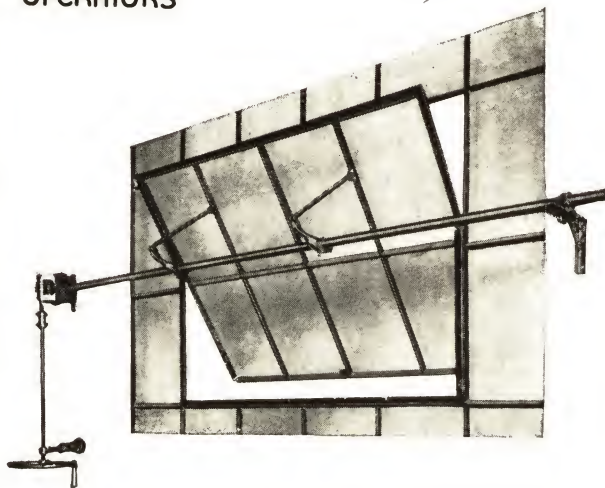


DETAILS OF TENSION OPERATORS

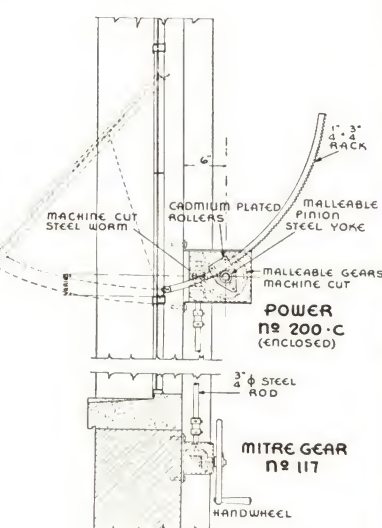
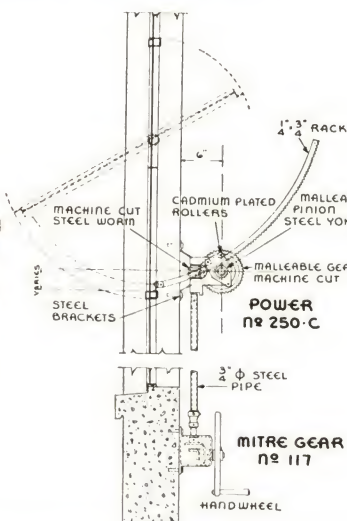
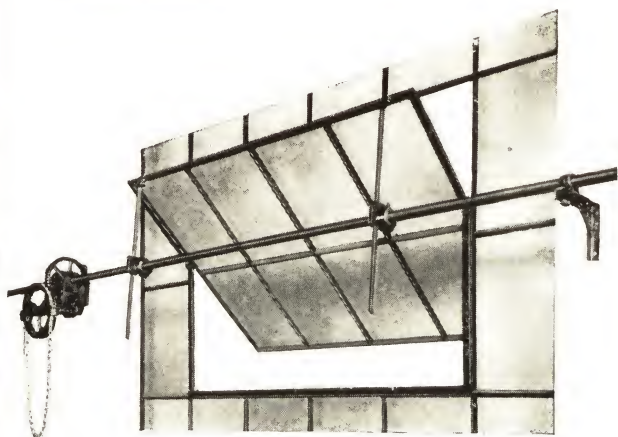


Mesker MECHANICAL OPERATORS

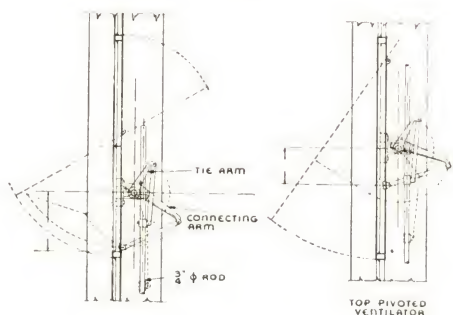
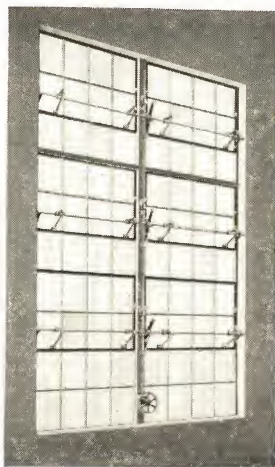
TORSION OPERATORS



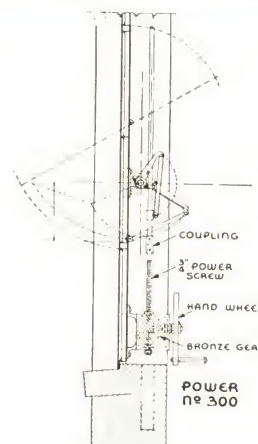
RACK & PINION OPERATORS



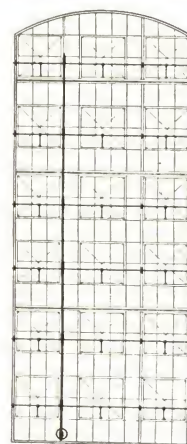
SCREW TYPE OPERATORS



TOP PIVOTED VENTILATOR

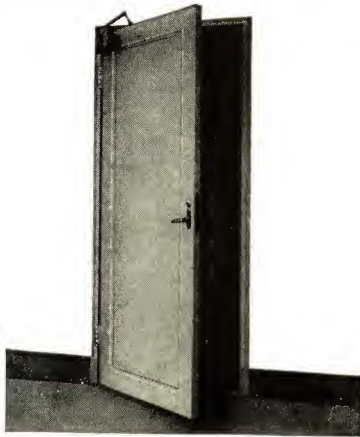


VERTICAL SECTION



TYPICAL POWER HOUSE WINDOW

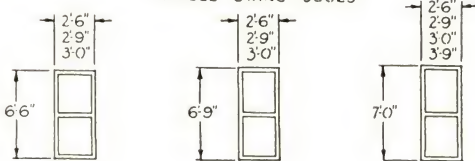
Mesker INDUSTRIAL TUBULAR DOORS



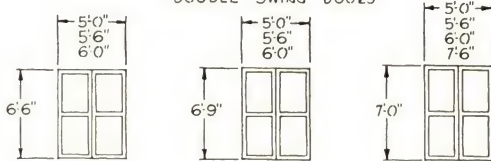
MESKER VULCAN DOORS

These doors are used in industrial buildings, offices, garages, apartments, and wherever a sturdy fire-resistant door is required. Door rails, stiles, frames and panels are 16 gauge steel. Frames are made for 4, 6 and 8 in. walls. There are four designs available, one solid steel panel, two steel panel type, panel below and single glass light above, and panel below and four glass lights above. These doors are furnished only in swing types.

SINGLE SWING DOORS



DOUBLE SWING DOORS

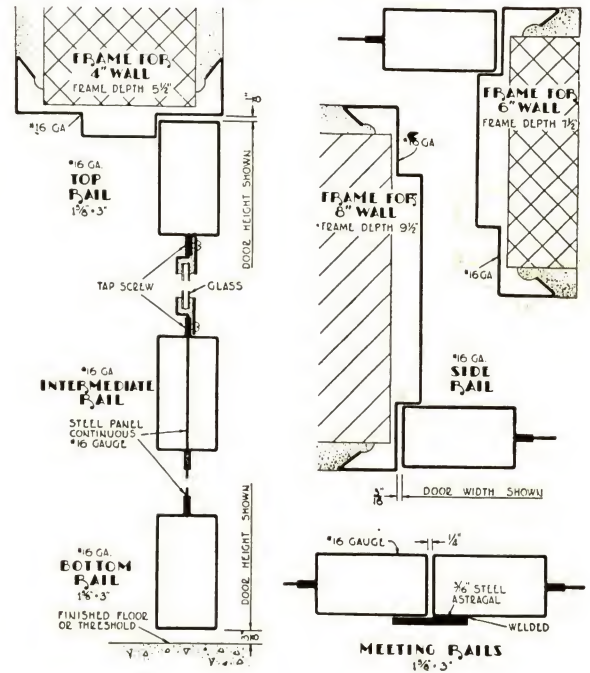


DIMENSIONS SHOWN ARE ACTUAL DIMENSIONS OF DOOR LEAVES. ● FOR MASONRY OPENING ADD $\frac{3}{4}$ " TO HEIGHT SHOWN FOR ALL DOORS—ADD $\frac{3}{4}$ " TO WIDTH OF SINGLE DOORS—ADD 1" TO WIDTH OF DOUBLE DOORS ●

DOOR SIZES GREATER THAN THOSE LISTED ARE IMPRACTICAL AND SHOULD NOT BE USED ●

FRAMES ARE SHIPPED ASSEMBLED WITH CHANNEL IRON BRACE TACK WELDED TO THE BOTTOM ENDS ●

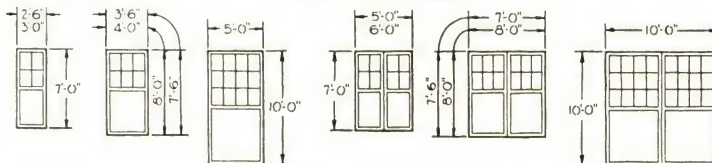
CONSTRUCTION DETAILS



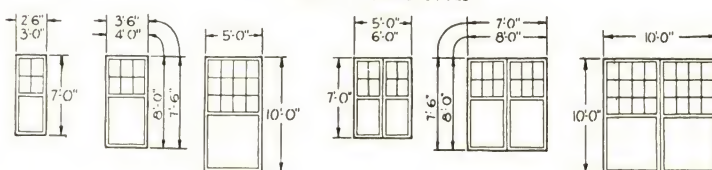
MESKER SERIES 14 DOORS

These doors are heavier than the Vulcan type, and should be used for the larger sizes and where heavy duty use is demanded. Stiles, rails, frames and panels are of 14 gauge steel. Either the pressed steel frame or the channel frame may be used. Standard design is with the glass lights above but all steel panels may be substituted instead. These doors are furnished in both swing and slide types.

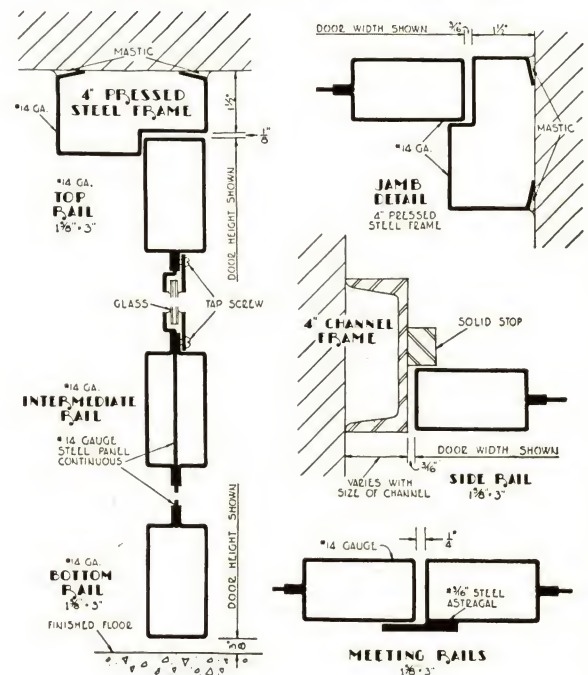
SERIES 14 SLIDE DOORS



SERIES 14 SWING DOORS



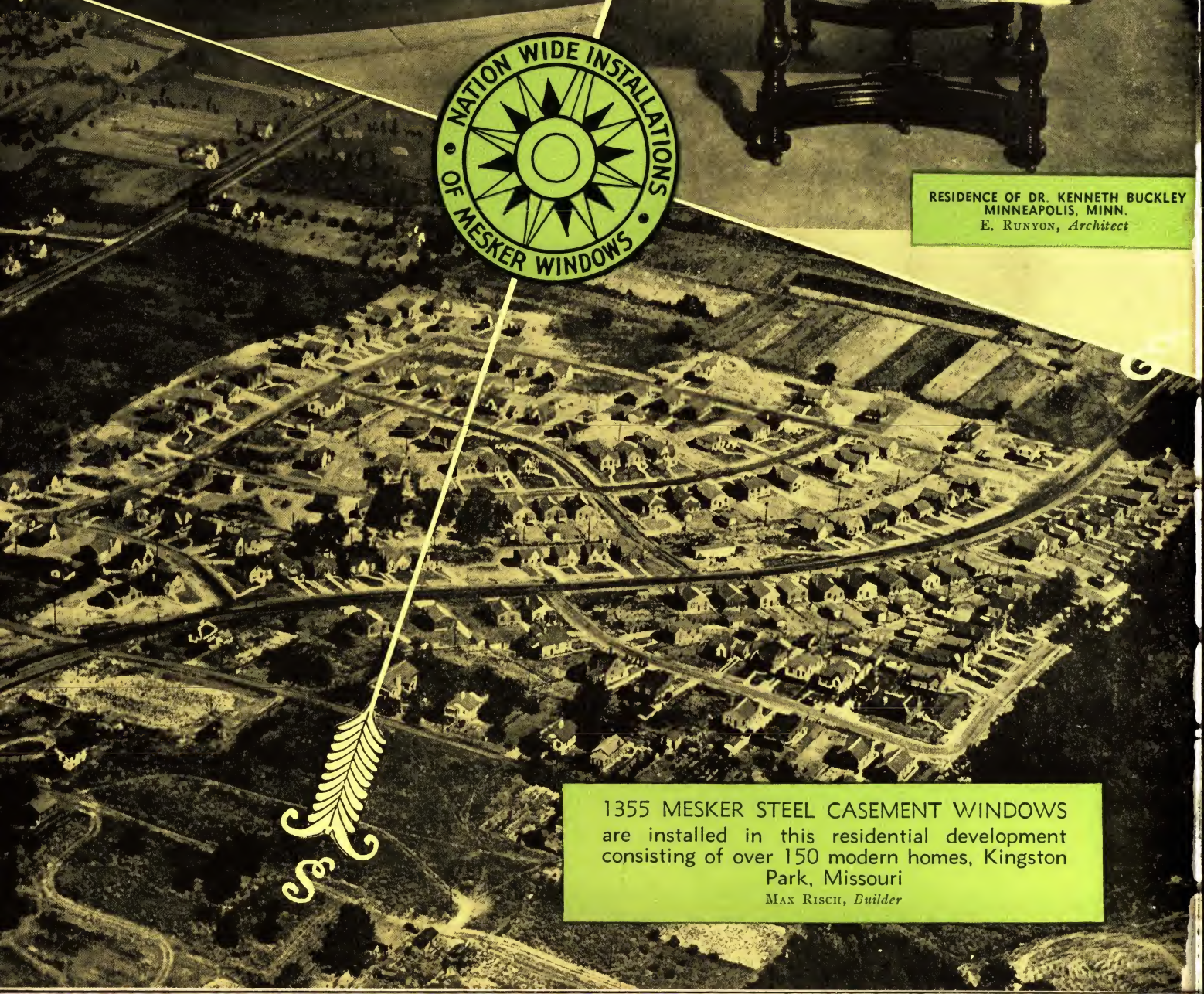
CONSTRUCTION DETAILS



MODERN RESIDENCE
MOLINE, ILLINOIS
R. C. SANDBERG, Architect



RESIDENCE OF DR. KENNETH BUCKLEY
MINNEAPOLIS, MINN.
E. RUNYON, Architect



1355 MESKER STEEL CASEMENT WINDOWS
are installed in this residential development
consisting of over 150 modern homes, Kingston
Park, Missouri

MAX RISCII, Builder